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DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper for Those Who Make, Sell, or Buy
Chemicals, Dyestuffs, Drugs, Essential and Fatty Oils

VOLUME XII,

NEW YORK, MARCH 14, 1923

No. 11



Acetic Acid
Ammonia Alum U. S. P.
Anhyd. Tetrachloride Tin
Aqua Ammonia
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Bisulphite Soda
Glauber's Salt
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Sulphate Alumina
Sulphite Soda Dry Powd.
Sulphide Soda Crystals
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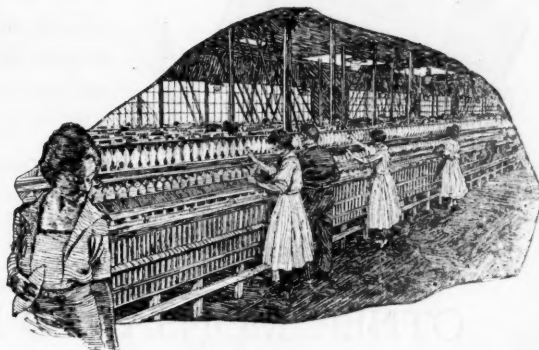
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In This Issue { Making U. S. Independent of German Dyes
New York's Trade Commission Bill

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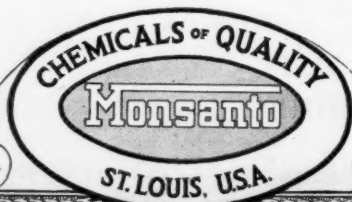
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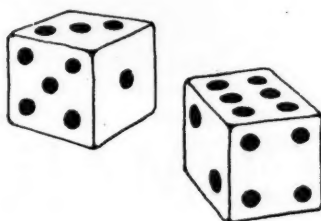
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New York, N. Y.

ISSUED EVERY WEDNESDAY

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3 PARK PLACE, NEW YORK

VOLUME XII, NUMBER 11

[MARCH 14, 1923]

CONVERTED TOO LATE

"Business men should be encouraged in every reasonable way to enter the field of aniline dye making."

"There are nine hundred kinds of aniline dyes. From now on the United States should manufacture these dyes herself."

"America owns the great coal tar supplies, but goes elsewhere to buy what she needs, instead of developing the industry here, giving the work and the profit to the citizens."

The foregoing are extracts from an editorial in the "New York Journal" of Feb. 23 under the caption "Making Aniline Dyes Should Be a National Industry."

The espousal of the cause of the American dye industry by this newspaper is truly gratifying in view of the sharp and repeated attacks which it made on the dye license and other dyestuff provisions of the tariff bill when the fight was being carried on in Washington a year ago. The paper was very strong in its condemnation of embargoes and monopolies, under which heading it classified the "dye grab," and was undoubtedly influential to some degree in defeating the dyestuff protective measure. Now, after the measure is dead, it publishes a long eulogy on the great need of a dye industry in this country, repeating the very arguments which it tried to refute editorially a year ago. Although, the editorial is just about a year too late to do any material good to the industry, it may help in impressing some people with the true need of real protection for American dyes. One error ought to be corrected, however, and that is in the matter of dyes made in this country. The "Journal" implies that most of them must be imported when, in reality, 90 per cent are being made here today. Outside of this wrong impression, the conversion of this former enemy is truly gratifying as said before, but it has come a year too late.

VALUE OF TRADE ASSOCIATIONS

The value of trade associations is fully demonstrated by the activities of pharmaceutical and chemical organizations in looking after the interests of manufacturers, with special reference to tariff regulations and legislation which in many cases is hostile. An Arkansas bill provides for a narcotic law which does not permit sales to either the drug trade or medical profession. This defect may be only an oversight, but is of vital importance to manufacturers and jobbers. The sale of patent medicines in Arkansas is prohibited, unless labeled

to declare the cost price and the contents, by a bill before the Senate. In New York State a measure before the Assembly would re-enact the old narcotic law, which provides for cumbersome, special state order forms, thereby increasing the clerical work in wholesale drug houses to an unreasonable extent.

Restrictions on the sale of proprietaries are proposed in South Carolina which seem unnecessary. Any person selling preparations containing alcohol shall obtain a license and give in the sum of \$1,000, according to a bill before the House. Many measures which have been introduced in the several states seem to be drawn with fair intent to correct some abuse or prevent harmful practices and are not inimical to manufacturers interests as a whole, but contain restrictions that are unreasonable and unnecessary, or omit to state important facts. A South Carolina bill, forbids the sale of opium and cocaine except by licensed druggists, but does not state whether it applies only to retail sales. The inference is that sales by manufacturers and wholesalers are permitted, because otherwise the retail druggist would not be able to obtain his supplies for medical purposes, but an amendment is necessary to make this point clear.

These cases are only a few of many that call for careful consideration and prompt action by the legislative committees of the various associations of the medicinal, chemical and allied trades. Individual manufacturers have not the time to follow up such matters, and probably would receive scant attention if they should make personal protests. The associations work systematically and get results when the injustice of a proposed law is made apparent.

NEW YORK'S TRADE COMMISSION BILL

American business is resigned to a flood of "nuisance bills" during 1923. Some forty state legislatures are, or will be, in session with the avowed object of making laws.

In New York, one of the most vicious pieces of state legislation ever introduced, is now being considered by the Legislature, but New York business is far from resigned to its passage. This is the so-called Fair Trade Commission Bill which gives the right to a five-man commission at \$10,000 per year each, to be appointed by the Governor, to (1) investigate and publish the cost of production of commodities in common use; (2) order the cessation of such practices which it considers constitute unfair competition; and (3) enter the place of business for the purpose of inspecting and taking

copies of all records of any corporation or trade association.

This proposed act is in some details a duplication of the field covered by the Federal Trade Commission except that the powers which would be given by the measure at Albany to the state commission resemble very much the same power which the Soviet Government of Russia held over business there several years ago, but has since discarded as too drastic. The bill sweepingly proposes to place all business under the dirty thumb of politics. It is ostensibly intended as a public welfare measure, but, in reality, it will give the Governor of New York State through his hand-picked commission, a power over industry which has never been intended by the Constitution nor the laws of a free people.

A business man in political power could find out all of his competitor's secrets, and, if so inclined, seriously damage the trade of this competitor. The privacy of commercial affairs, so necessary where competition is keen, would never be safe with a law of this kind on the books. The proposed act is unnecessary inasmuch as the present state anti-trust laws cover well the field of monopolies and restraint of trade. This new thing is dangerous and insidious, particularly when it becomes the possible tool of New York politicians, and should be fought by every business association and individual enterprise. With this bill a law in New York, none of the other forty-seven states are safe from an invasion of the same thing. The bill must be beaten in New York, and the spread of the idea to the fertile field of legislative minds in other states must be checked before it begins. The whole idea is vicious and communistic, and a clear violation of individual rights under the Constitution of the United States.

The movement started by the Chemical Equipment Manufacturers Association for the standardization of designs has its counterpart in England, where a joint research committee of the Association of British Chemical Manufacturers and the British Chemical Plant Manufacturers Association, has offered a plan for standardizing filter press plates and frames. A questionnaire sent to two hundred users resulted in the adoption of four sizes, which will take the place of the great variety of sizes now in use. The British success demonstrates the value of close co-operation between makers and users of equipment, which is sure to result in ultimate benefit to the industry.

A Federal Grand Jury at San Francisco adopted resolutions recommending an international conference on the narcotic situation with a view to limiting the manufacture of narcotics to the quantity needed for legitimate use, and for control of the distribution. Probably the antithesis of this plan is what the Grand Jury had in mind—a limit on the production, sale and transportation of opium and coca leaves. The manufacture of narcotics in the United States is controlled already by

provisions in the Harrison Act. A recent amendment also covers importations.

Whether the new merger of match companies will bring on a price war with the other companies is a question of interest in the trade. While many chemicals are necessary ingredients of a perfectly good match it is probable that wood is the most important item and the price of white pine has been advancing. The margin of profit in the match business is small and with chemicals and wood going up, the conditions are not favorable to price cutting.

"Your oil of vitriol may be all right, but then, on the other hand, we're very particular about the quality we use. What's its flash point?" This stroke from the buyer, with facetious intent, brought the traveller up sharply in red-faced confusion. "I don't know off hand, Mr. Jones, but I'll wire the plant and guarantee to get you the figures in two hours," said the victim as he thought he could see an order on the horizon.

Based on pre-war values, Professor Irving Fisher estimates the dollar to be worth about sixty-one cents today. This apparently takes in the full category of human needs and wants including food, clothes, rent, heat, Scotch, rye, and the items of lesser importance. For some items his estimate of the value of the dollar appears to be grossly excessive.

Many Men: Many Minds

Great Britain's national debt is £7,831,000,000, which at normal exchange is about \$37,580,350,000. The debt of the United States is \$22,655,000,000.—National City Bank.

Though the United States is the acknowledged "melting pot" of the world, Clinton, Indiana, can possibly lay claim to having the greatest number of nationalities assimilated in a town of its size. In this mining town of less than eleven thousand inhabitants, there are twenty-seven different languages spoken, and these range from Japanese and Chinese to Lithuanian and Lettish.—Wall Street Journal.

Germany has long ranked chemical salesmanship among the branches in which definite training is required. America is taking definite action in the same direction. The Salesmen's Association of the American Chemical Industry has just initiated the first course of lectures in chemistry for chemical salesmen at the College of New York. Between 25 and 30 of the leading American chemical manufacturing firms are represented in the movement, and prizes are offered for the best three essays at the close of the course on "The value of chemical training to a salesman." The Philadelphia Chemical Club is arranging a similar course for salesmen at the University of Philadelphia. If the governing bodies of our chemical associations lack the imagination to see what is going on elsewhere, cannot a few of our constructive minds join together and give a real lead in a matter of this sort?—The Chemical Age, London.

Making U. S. Independent of German Dyes

Dr. Herty and Francis P. Garvan Discuss Progress Made by American Industry and Effect of Occupation of the Ruhr

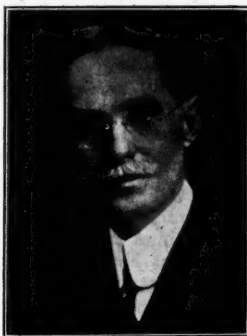
CO-OPERATION and the development of foreign markets were strongly emphasized by Francis P. Garvan, president of the Chemical Foundation and former alien property custodian, in an address before the members of the Synthetic Organic Chemical Manufacturers' Association at their second annual meeting held on Friday, March 8, in the Hotel Pennsylvania. He also said that the American dye industry need fear nothing from German competition, for, with the development of about twenty more colors, the industry would be making 100 per cent of the dyes required by domestic consumers.

Dr. Charles H. Herty, president of the association, told of the work that had been accomplished during the year in co-operation with the Tariff Commission, the Department of Commerce, the National Council of Dyes and Colors, and the Commercial Standard Council. He continued:

"For the coming year, there is important work for our Association to be constantly busied with. While the permanent customs regulations for imports have been published, there will be constant need for the activities of our counsel, Messrs. DeVries and Doherty, and of our technical advisor, Mr. H. F. Wilmot. Points at issue between the importer and the manufacturer will frequently arise and these must be promptly and intelligently met if our members are to gain that full measure of protection which the law contemplates. Furthermore, there are undoubted hardships worked on the manufacturers of products other than those in Paragraphs 27 and 28, for which relief must be sought through the flexible provisions of the Tariff Act, and at the same time we must be in position to meet with full presentation of facts and arguments any efforts which may be made to weaken the protection now afforded in Paragraphs 27 and 28 of the Act. Constant watchfulness must be the word on this phase of our activities.

"May I call to your serious attention the fact that in spite of the discussions which have arisen in connection with the revival of the Patent Convention with Germany and of the suit against the Chemical Foundation, the fact stands that Congress has adjourned without passing any measure which would be corrective of those abuses by foreigners of our patent system which all

"No one can predict what may result from the occupation of the Ruhr and from the dislocation of normal business activity in all parts of the occupied area in Germany. Official statements of the Department of Commerce make clear that already prompt forwarding of exports is being seriously hampered; doubtless the embargo on shipments from the Ruhr to other parts of Germany will soon make its demoralizing influence felt in a shortage of crudes and intermediates. The nation which purposely inflated its currency, partly for the sake of regaining control in foreign markets, is now paying the price of such debauchery. Whatever the outcome, the fact is once again brought home closely that, as to the products of our industry, America must make itself forever independent."—DR. CHARLES H. HERTY.



DR. CHAS. H. HERTY



FRANCIS P. GARVAN

agree have been so perniciously practiced in the past.

"The U. S. Tariff Commission is in doubt as to the publication of itemized imports in its forthcoming census of dyes and other synthetic organic chemicals. If this policy is adopted, it would make a serious break in a splendid set of statistics which have been compiled from year to year, and would leave a gap for the year 1922 which would prove extremely unfortunate for all who are studying synthetic development of the industry."

Mr. Garvan said in part:

"Consumers quietly confess to me that the dyes that they are getting are better than they ever got from Germany; that if it were not for the development of the other fellow, demanding some specialty from Germany, he would not have any use today for a pound of imports, and from all the information

that I can gather, if you gentlemen with a unity of purpose put your heads together and see to it that about twenty more dyes are made, the necessity for any imports or the wish to import, no matter what European conditions may turn out to be, will have departed.

"There are left a certain percentage of colors which Germany under ordinary circumstances can sell here. She never takes back a dollar of her profits out of that sale of her product. Her profits out of the

sale of those products are kept here as a fighting fund, not against the fellow who may expect to make golden orange or some color, but as a fighting fund against you all as a growing industry. The fight against you in Washington, the fight against you throughout the country has been financed entirely by the profits on the colors your progress has not made it possible for the American consumer to get.

"So you all are just as much interested in each one's progress as your own. Take, for instance, \$750,000 worth of golden orange sold in America last year: \$500,000 of it was cold profit to the I. G. and \$500,000 of it was all left here as an available fund to keep up the general fight against you.

John P. Wood of Philadelphia, president of the National Association of Wool Manufacturers, wrote to Dr. Herty regretting that he could not attend the meeting and saying in part:

"During the past few years we have differed with you in our judgment with regard to the kind of leg-

islative provisions necessary to assure that success which we are equally anxious to see attained. The policy which the Government finally adopted will, I am sure, confirm the sincerity of my interest in the welfare of the domestic dye industry, and will avoid a source of irritation, and a cause for difference between those who should always be in the most friendly co-operation—the makers and users of domestic dyes."

In executive session the following officers were elected: President, Chas. H. Herty; treasurer, F. P. Summers, of the Noil Chemical and Color Works, New York City.

Dyestuffs Section: F. E. Signer, Vice president of the Butterworth-Judson Corp., New York; August Merz, of the Heller & Merz Co., Newark, N. J., C. N. Turner, Newport Chemical Wks., Passaic, N. J., F. P. Summers, Noil Chemical and Color Works, New York, George H. Whaley, John Campbell & Co., New York.

Crudes and Intermediates Section: F. W. Pickard, vice president of the E. I. duPont de Nemours & Co., Wilmington, Del., S. W. Wilder, Merrimac Chemical Co., Boston, Mass., R. N. Wallach, Grasselli Chemical Co., New York, Wm. S. Weeks, Calco Chemical Co., Bound Brook, N. J.

Fine Organic and Medicinal Chemicals Section: A. S. Burdick, vice president of the Abbott Laboratories, Chicago, Ill., Herman Seydel, Seydel Chemical Co., New York, G. F. Richmond, Antoine Chiris Co., New York.

CHEMICAL SALESMEN'S COURSE ENDS

Economic Chemistry was the subject of Prof. F. E. Breithut's final lecture in the course of chemical lectures for chemical salesmen which was concluded last Friday evening at the College of the City of New York. The course consisted of ten lectures covering a sequence of chemical topics on "How a Chemist Works"—gases, liquids, solids, solutions, acids and alkalies, metals and their salts, carbon and its compounds, the language of chemistry, and economic chemistry. That great interest has been maintained in the course was shown by the attendance, which averaged nearly 90 per cent, and the unanimous expression of appreciation, at the close of the last lecture, for Dr. Breithut's personal interest and efforts in making the course a success. Plans for the extension of the work will be outlined by Dr. Breithut at the monthly meeting of the New York Chapter of the Chemical Salesmen's Association, Wednesday evening, March 14, at the Chemists' Club.

RECEIVER NAMED FOR ALBANY CHEMICAL

A receiver for the Albany Chemical Co. was appointed on Saturday, March 10, at Utica, by Judge George W. Ray. The assets of the company are estimated at \$760,000, but no statement of liabilities was filed. The receiver is John A. Macgruder of Albany, N. Y., where the plant is located.

Judge Ray authorized the receiver to continue the business. The offices are at 2 Broadway, Albany. The company makes a specialty of sodium acetate, acetone, chloroform, acetic acid, acetic anhydride and other industrial chemicals. Until recently, the company maintained an office and warehouse at 108 John st., New York.

The Enos F. Jones Chemical Co., 51 Jay st., New York, has purchased the four-story building at the above address, which it now occupies.

Trade Notes and Personals

Charles F. Rand was re-elected Chairman of the Engineering Foundation at a meeting of the Foundation's Board of Directors, held in New York city last week.

Plans are under way for the erection of a plant for the recovery of arsenic in connection with the gold mills at Jardine, Mont. The production is expected to reach 100 tons per month.

Dr. Walter Rosenhain, F.R.S., lectured at the Carnegie Institute of Technology, Pittsburgh, Feb. 12 and 13, on "Metallurgical Research at the National Physical Laboratory, Teddington, England" and "Strain, and Its Relation to Fractures of Metals."

Henry T. Jarrett, formerly manager of the Mallinckrodt Chemical Works' New York office and now associated with it in an advisory capacity, was tendered a leather engraved testimonial by the office workers on the occasion of his seventy-eighth birthday Feb. 26.

Frederick Laist, of Anaconda, Mont., was presented with the James Douglas Medal, which is given annually for achievement in non-ferrous metallurgy, at the annual dinner of the American Institute of Mining and Metallurgical Engineers.

"Thirty Years' Experience with Sulfate of Ammonia," by F. W. Morse has been published in Bulletin No. 204 by the Agricultural Experiment Station, Amherst, Mass. This bulletin reports a study of the various conditions under which results obtained by ammonium sulfate as a fertilizer were secured.

Turull & Co., 140 Liberty st., New York, chemical exporters and dealers, have incorporated in the state of New York, with capital of \$150,000. The company's new name is Thomas F. Turull, Inc., and the firm will continue to export chemicals to Cuba. Thomas F. Turull and W. J. Burke are the incorporators.

A bill introduced in the House provides for award to Brooklyn interests, headed by Representative John Kissell, of Muscle Shoals property under the same terms as Henry Ford proposed except that payment to the government is \$6,000,000, or \$1,000,000 more than Ford offered.

Remarkable photographs of high speed collisions of the nuclei of atoms obtained by the use of moving picture machine were shown by Dr. William Draper Harkins, of Chicago University, in a series of lectures March 7, 8, and 9 at Carnegie Institute of Technology, Pittsburgh. A new discovery by use of the photos was that the helium nucleus, used as a projectile, rebounds in a backward direction while the nucleus of the nitrogen atom which is hit is projected forward both at speeds of several thousand miles per second.

The United States Industrial Chemical Co. in co-operation with the Research Department of the United States Industrial Alcohol Co., Baltimore, is preparing to make improvements estimated to cost not less than \$1,000,000. The reclamation plant, which manufactures potash for agricultural purposes, is to be enlarged and its capacity increased. A big addition is to be made to the power plant. The plans also include the erection of a fertilizer factory to utilize directly the potash produced there and fix nitrogen production. This complete mixed fertilizer producing unit is to be erected on land adjoining the plant at Curtis Bay.

Many Unidentified Colors from Germany

February Imports Analyzed by Washington Officials—More Than 62 Per Cent Were German—About 26 Per Cent from Italy and Only 10 Per Cent from Switzerland—Is Italy Dumping Reparation Dyes?—Small Imports from England, France and Canada

The total quantity of dyes imported during February, through the port of New York, was 191,709 pounds, with an invoice value of \$199,640. Of the total quantity imported, 62.6 per cent came from Germany; 26.2 per cent, from Italy; 10.4 per cent, from Switzerland, and the remainder from France, England and Canada. The list follows:

Schultz No.	Name of Dye	Manufacturer	Quantity Pounds	Value Dollars
4	Naphthol green	B	1	
	Green PXL	B		
6	Aniline yellow	B	100	
19	Fast light yellow	By	485	
	Fast light yellow 3 G.	By		
56	Nitrosamine red paste	B	55	
100	Eosamine B	A	2000	
117	Erika 2 GN	A	110	
118	Geranine	A	165	
	Geranine G Brilliant geranine	By		
119	Diamine rose	By	100	
	Diamine rose GD	C		
154	Palatine chrome brown	B	258	\$343.50
	Palatine chrome brown RX	B		
	Palatine chrome brown GGX	B		
	Palatine chrome brown WRRTX	B		
177	Milling yellow O	C	300	
230	Palatine black	A	4000	
	Wool black GRF	A		
221	Anthracene acid brown	C	100	
	Anthracene acid brown G	C	4827.9	
273	Diaminogene blue	C		
	Diaminogene blue NA	C	441	
274	Diaminogene	By		
	Diazo indigo blue ZRL	B	220	
296	Cotton yellow GI	B	500	
306	Pyramine orange 3G	B	33	
319	Diamine scarlet	C	100	
	Diamine scarlet B	C	480	
346	Minaxo red 3BX (Oxamine red 3BX)	C	2313	
349	Diamine brown B	By	35	
358	Diphenyl red	B		
	Chloramine red 8Bs	B		
360	Pyramine orange R	B	441	
	Ingamine orange R	By		
366	Delta purpurine	By	110	
	Delta purpurine 5B	By	220	
370	Brilliant congo R	By	22	
373	Congo orange R	By	5004	
411	Benzo azurine 3G	S	2267	
449	Trisulphon B conc.	By	5	
456	Benzo fast blue	By		
	Benzo fast blue 4GL	By		
485	Benzo brown G	By	220	
	Brown D89 extra	By	3002	
505	Light green SF yellowish	By	52	
507	Xylene blue VS conc.	S		
515	Methyl violet	B		
	Methyl violet BB extra highly conc.	B		
	Methyl violet N Blue	B		
	Methyl violet NFB	B		
516	Crystal violet	B	1	
	Crystal violet extra	B	220	
523	Fast green	By	11	
	Fast green extra bluish	By		
528	Fast acid violet 10B	By	110	
	Fast acid violet 10B	By		
330	Acid violet	B	150	
	Acid violet 3 BNO	B		
	Acid violet CIOB	B		
539	Soluble blue	B	250	
	Soluble blue T	A		
	Water blue	By		
545	Patent blue A	M	1548	2046.20
	Brilliant acid blue F	By		
546	Cyanol	L	127	
	Glaucol FF	C		
	Cyanol FF	C		
	Cyanol extra	C		
559	Victoria blue B	By	1	
	Victoria blue B highly conc.	By		
562	Brilliant Wool blue G extra	M	551	
564	Naphthalene green V	B	2440	8072.50
571	Rhodamine 6G	B		
	Rhodamine 6GDN extra	B		
	Rhodamine 6GDN extra conc.	B		
	Rhodamine 6GDN extra powder	B		

Schultz No.	Name of Dye	Manufacturer	Quantity Pounds	Value Dollars
573	Rhodamine B	By	2599.5	3936.92
	Rhodamine B extra	B		
	Rhodamine B extra BASF	B		
603	Acridine orange	DH	330	
	Acridine orange DHE powder	DH		
606	Phosphine	By	2627	5221.71
	Coriophosphine OX extra	A		
	Phosphine 3R	M		
	Phosphine O	M		
608	Patent phosphine	B	465	
	Patent phosphine GRNTN (Euchrysin)	B		
	Euchrysin GRNTN	B		
	Euchrysin RRX	B		
609	Homophosphine	By	22	
	Auracine G	By		
613	Quinoline yellow	By	476	534.60
	Quinoline yellow KT extra conc.	By		
	Quinoline yellow conc.	By		
	Quinoline yellow extra	B		
617	Columbia yellow	By	1000	
	Chloramine yellow GG	By		
618	Thioflavine T	By	121	
	Rhoduline yellow 6G	C		
	Thioflavine T	C		
635	Modern violet	DH	110	
	Blue 1900 double powder	DH		
645	Gallazine A	DH	602	
	Gallazine A paste conc.	DH		
663	New methylene blue	C	321	
	New methylene blue N	B		
	Methylene blue NNX	B		
672	Azocarmine	B	2423	
	Azocarmine GX	B		
735	Pyrogene indigo	I	110	
	Pyrogene indigo	By		
746	Katigene green 2G	B	1	
754	Kurgan violet (Kryogene violet 3RX)	B	100	
759	Anthraflavone G paste	B	2233.5	2057.66
	Anthraflavone G paste	B		
	Anthraflavone GC paste	B		
	Anthraflavone GC powder	B		
760	Indanthrene golden orange G (single strength)	B	4302	3892.34
	Indanthrene golden orange G double	B		
	Indanthrene golden orange G double	B		
	Indanthrene golden orange G double	B		
	Indanthrene golden orange G powder	B		
761	Indanthrene golden orange (single strength)	B	2958	4129.12
	Indanthrene golden orange RRT	B		
	Indanthrene golden orange RRT paste	B		
	Indanthrene golden orange RRT powder	B		
	Indanthrene golden orange RRTS	B		
762	Indanthrene scarlet GS powder	B	220	
765	Indanthrene green B (single strength)	B	10	
	Vat blue green B double paste	B		
767	Indanthrene violet RR (single strength)	B	2147	2008.51
	Indanthrene violet 2R extra powder	B		
	Indanthrene violet RR paste extra	B		
	Vat brilliant RR paste (Indanthrene violet RR)	B		
790	Anthracene blue	B	427	
	Anthracene blue SWGG extra powder	B		
800	Anthracene blue SWR powder	B	379	
	Anthracene blue 3G	B		
	Anthracene blue WG paste	B		
807	Alizarine black S	M	980	
	Alizarine black S paste	M		
811	Algol yellow 3G	By	619	
	Vat yellow 3G paste	By		
	Algol yellow 3GL paste	By		
812	Indanthrene orange RT	B	4000	
	Vat orange RRT paste	B		
817	Algol yellow R (single strength)	By	3660	2919.95
	Algol yellow R powder	By		
	Vat yellow GK paste (algol yellow R)	By		
	Vat yellow GP (Indanthrene yellow)	By		
819	Algol red R, FF (single strength)	B	4928	
	Vat red R extra powder	By		
	Algol brilliant red BB powder	Q		
821	Algol brilliant violet	By	5	
	Vat brilliant violet BBK paste	By		
822	Algol brilliant orange FR (single strength)	B	880	
	Algol brilliant orange FR powder	By		
824	Algol orange R (single strength)	By	1680	
	Algol orange R powder	By		
831	Indanthrene red BN (single strength)	B	1567	
	Indanthrene red BN extra paste	B		
	Vat red RK paste fine	R		
837	Indanthrene blue R	B	176	
	Indanthrene blue R powder	B		

Schultz No.	Name of Dye	Manufac-turer	Quan-tity Pounds	Value Dollars	Name of Dye	Mfgs.	Quantity Pounds
Unidentified Acid Dyes							
842	Indanthrene blue GCD (single strength)	B	3762	1990.59	Acid Milling yellow G conc.	S	100
	Indanthrene blue GCD paste	B			Acid Violet 4 R N O	B	100
	Indanthrene blue GCD double paste	B			Alizarin direct Violet E R pdr.	B	200
	Vat blue GCD double paste	B			Alizarin light blue B conc.	S	1,276
844	Algal blue 3 G (single strength)	By	729		Anthra cyanine brown G L	By	58
	Vat blue 5 G paste	By			Azo cyanine G R	O	100
	Algal blue 3G paste	By			Brilliant milling blue	O	100
	Algal blue 3G powder	By			Brilliant pure yellow 6 G extra	By	10
849	Indanthrene yellow (single strength)	B	7470	3794.60	Kiton fast red 4 B L conc.	I	250
	Indanthrene yellow G paste	B			Minaxo acid brown G (oxamine acid brown)	B	500
	Indanthrene yellow G powder	B			Palatine light yellow R X	B	211
	Vat yellow G double paste	B			Special blue G	B	100
	Vat yellow G double paste fine	B			Supremine red B	O	1
852	Alizarine irisol DR	By	102		Supremine yellow R	By	200
	Alizarin blue JR powder	By			Wool fast blue	B	235
	Alizarin irisol R	By			Wool fast blue BL	B	
853	Anthraquinone violet powder	B	50		Wool fast blue GL	By	
854	Alizarin viridine FF	By	8999		Wool fast orange G	B	50
	Alizarin viridine FF paste	By			Wool fast red B L	By	24
855	Alizarin pure blue	By	230		Wool fast yellow 3 G	B	100
	Alizarin sky blue B	By			Unidentified Vat Dyes		
	Alizarin sky blue B powder	By			Algal brown G pdr.	By	11
856	Alizarin astrol	By	4018.6	7873.11	Helindone black blue 1 B O A	M	220
	Alizarin astrol B powder	By			Helindone blue I G C D double paste	M	50
	Alizarin rubinol R powder	By			Helindone blue green I B " paste	M	50
	Alizarin rubinol 5G powder	By			Helindone dark blue L B O	M	524
	Alizarin rubinol 3G powder	Q			Helindone golden orange I R R T paste	M	50
858	Alizarin saphirol B	By	2538.5	4700.44	Helindone Pink R ex. paste	M	5,000
	Alizarin saphirol B	By			Helindone violet IRR paste (ex.)	M	50
	Alizarin saphirol SE	By			Helindone yellow A G C paste	M	50
	Alizarin saphirol SE powder	By			Hydron brown	C	404
	Alizarin saphirol WSA	By			G paste	C	
	Alizarin blue SAF powder (alizarin saphirol SE)	By			R paste	C	
859	Cyananthrol RXO	B	300		Hydron green	C	300
860	Cyananthrol G	B	220		B paste	C	
	Cyananthrol BGAOO	B			G paste	C	
861	Anthraquinone blue SR extra powder	B	50		Hydron navy blue C paste 30%	C	6
862	Alizarin blue black (single strength)	By	14944		Hydron olive G N paste	C	1
	Alizarin blue black B powder	By			Hydron pink	C	1,564
	Alizarin blue black BT powder	B			Hydron pink F B paste	C	
863	Anthraquinone bluish green BXO powder	B	110		Hydron pink F F paste	C	
864	Anthraquinone green GXNO	B	150		Hydron yellow N F paste	C	750
	Anthraquinone green GXNO powder	B			Indanthrene blue	B	4,706
	Anthraquinone green GXNO	B			Indanthrene blue B O ex. paste	B	
865	Alizarin direct green G	By	4000		Indanthrene blue B O pdr.	B	
	Alizarin cyanine green G extra powder	By			Indanthrene blue R C paste	B	
867	Indanthrene brown (single strength)	B	1524		Indanthrene blue R C pdr.	B	
	Anthra brown B double paste	B			Indanthrene blue R O paste	B	
873	Helindone brown	B	1115		Indanthrene violet BN ex. paste	B	2,204
	Anthra pink, B extra paste	B			Thio indigo pink R N ex. paste	K	2,215
	(Indanthrene pink B extra paste)	B			Thio indigo rose R N ex. paste	K	500
	Indanthrene red brown R extra paste	B			Thio indigo violet	K	693
	BASF	B			Thio indigo violet 2 R paste	K	
885	Brilliant indigo	B	6653		Thio indigo violet 2 R pdr.	K	
	Brilliant indigo B paste	B			Vat blue REZ pdr. (Indanthrene blue)	B	25
886	Brilliant indigo GD	B	400		Vat brown R pdr. (Indanthrene brown R pdr.)	By	440
	Brilliant indigo G paste	B			Vat gray 3 B double paste (Indanthrene gray 3 B)	B	200
890	Ciba yellow G	I	662		Vat red RKP pdr. (Indanthrene red R K P)	B	100
	Ciba yellow G paste 10%	I			Unidentified Mordant and Chrome Dyes		
896	Helindone blue 3GN (single strength)	M	3990		Acid chrome blue	O	22
	Helindone blue 3GN powder	M			Acid chrome blue B H	O	
901	Ciba violet B	I	2209		Acid chrome blue 2 R	O	
	Ciba violet R paste 10%	I			Alizarin geranole B pdr.	O	804
902	Helindone brown 2R	K	165		Chromacetine blue S pdr.	DH	441
	Thio indigo brown R powder	K			Chrome violet C G pdr.	DH	110
910	Helindone pink	K	1602		Chromorhodine B R pdr.	DH	55
	Thio indigo pink BN extra paste	K			Diamond Bordeaux R	By	1
913	Helindone Orange R powder	M	101		Unidentified Sulfur Dyes		
	Helindone fast scarlet R paste	M			Katigene yellow brown GR extra	By	
917	Helindone red B	M	50		Pyrogene indigo blue	O	110
	Helindone fast scarlet R	M			Thional yellow G G	S	1,102
915	Helindone red B paste	M	50		Unidentified Basic Dyes		
	Helindone red B	M			Brilliant acridine orange A	DH	110
918	Helindone red 3B (single strength)	M	3858.5	2472.32	Fast marine blue HBT A	B	500
	Helindone red 3B paste	M			Keb Janusblack I	O	25
	Helindone red 3B powder	M			Methylene blue 3 G	B	50
	Thio indigo red 3B powder	M			Rhoduline blue	By	44
	Vat red violet RH paste (Helindone red 3B)	B			Rhoduline blue GO	By	
923	Ursol	A	264	353.55	Rhoduline blue 3 G O	By	22
	Fur brown PY	A			Rhoduline sky blue 3 G	By	
	Fur brown SO	A			Unidentified Spirits Soluble and Color Lake Dyes		
	Fur dye DF	A			Helio Bordeaux B L paste	By	261
	Fur dye NZ	A			Helio fast violet A L	By	7
	Fur dye NZD	A			Tero black FB (typophor. F B)	B	5
	Fur dye SB	A			Tero brown FR (typophor. brown F R)	B	5
	Fur dye SLA	A			Tero yellow FR (typophor. yellow F R)	B	5
	Fur dye SK	A			Unidentified Direct Dyes		
	Fur dye SKG	A			Aceto purpurine 8 B	A	1,376
	Fur dye SP	A			Benzo chrome brown B	By	11
	Fur dye 4G	A			Benzo copper blue 2 B	By	110
	Fur dye 4R	A			Benzo fast black L	By	400
	Fur Gray AL	A			Benzo fast brown	By	609
	Fur Gray B	A			Benzo fast brown R L	By	
	Fur brown 6R	A			Benzo fast brown 3 G L	By	
		A			Benzo fast eosine B L	By	33

Name of Dye	Mfgs.	Quantity Pounds
Benzo fast heliotrope		110
Benzo fast heliotrope B L	By	
(brilliant benzo fast violet)		
Benzo fast heliotrope 5 RH	By	
Benzo fast rubine B L	By	22
Benzo light orange 2 R	O	199
Brilliant rhoduline red B	By	330
Brilliant benzo violet 2 R	By	220
Brilliant fast blue B	By	55
Brilliant sky blue 8 G extra	By	1,510
Carbazol yellow W pdr	O	10
Cotton pink		330
Cotton pink BN	B	
Cotton pink GN	B	
Cotton pink RN	C	
Diamine fast blue FFB		9
Diamine fast violet		440
Diamine fast violet FFBN	C	
Diamine fast violet FFRN	C	
Diazanil pink B	M	50
Diazo brilliant scarlet 6 B extra	By	1,278
Diazo brown 3 R B	By	5
Diazo dark blue 3 B	O	284
Diazo indigo blue 4 GL extra	By	425
Diazo rubine B	By	359
Diazo sky blue 3 G	By	24
Diazogene red B	O	300
Direct brown 5 G	I	2,295
Direct fast orange K (triazol orange G conc. 125%)	I	1,000
Minaxo fast blue R R X	B	10
(Oxamine fast blue R R X)		
Minaxo light red E 8 B	B	200
(Oxamine light red E 8 E)		
Oxydaminogene	C	50
Pyrazol Orange		200
Pyrazol Orange R conc	S	
Pyrazol Orange R R conc	S	

Unidentified, Unclassified, Special Dyes

Katanol	By	4,530
Modern royal blue powder	DH	110
Paper fast Bordeaux B	By	137
Poseidon blue B XX	B	1
Thio violet 5 R powder	DH	55

The import statistics were compiled by the Chemical Division of the Bureau of Foreign and Domestic Commerce in collaboration with the Chemical Section of the U. S. Tariff Commission.

The companies making the dyes imported in February are designated as follows:

1. The six leading German Companies

A.....Actien-Gesellschaft fur Anilin-Fabrikation, Berlin. Founded 1873. Branches in France and Russia.

B.....Badische Anilin- und Soda-Fabrik, Ludwigshafen on the Rhine. Founded 1862. Branches in France and Russia.

By.....Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen on the Rhine. Founded 1862. Branches in France and Russia.

C.....Leopold Casella & Co., Frankfurt on the Main. Founded 1870. Branches in France and Russia.

K.....Kalle & Co., A. G., Biebrich on the Rhine. Founded 1870. Branches in Russia.

M.....Farbwerke vorm. Meister Lucius & Bruning, Höchst on the Main. Founded 1862. Branches in France and Russia.

2. The seven smaller German Companies

BK.....Leipziger Anilinfabrik Beyer & Kegel, Furstenberg near Leipzig. Founded 1882.

GG.....Chemikalienwerk Griesheim G.m.b.H., Griesheim on the Main. Founded 1881.

CJ.....Carl Jager G.m.b.H., Anilinfarbenfabrik, Dusseldorf. Founded 1823.

GrE.....Chemische Fabrik Griesheim-Electron, Offenbach on the Main. Founded 1842.

L.....Farbwerk Muhlheim vorm. A. Leonhardt & Co., Muhlheim on the Main. Founded 1879. Branches in France.

tM.....Chemische Fabriken vorm. Weiler ter Meer, Uerdingen on the Rhine. Founded 1877.

WD.....Wulfig, Dahl & Co., A. G. Barmen. Founded 1842.

3. Dutch, Belgian and French Companies

FA.....Farbwerk Ammersfoort, Ammersfoort, Netherlands. Founded 1888.

NF.....Niederlandische Farbe- und Chemikalienfabrik Delft. Netherlands (Delft). Founded 1897.

LG.....Lazard Godechaux, of Brussels. (These products are probably compounded largely from the dyes made by A. Wiescher & Co., of Haeren, Belgium.)

P.....Societe Anonyme des Matieres colorantes et produits chimiques St. Denis (formerly A. Poirrier), St. Denis, near Paris, France. Founded 1830.

4. Swiss Companies, all at Basel

DH.....Farbwerke vorm. L. Durand, Huguenin & Co., Founded 1871. Branches in Germany and France.

G.....Anilinfarben- und Extract-Fabriken vorm. Joh. Rud. Geigy. Founded 1764. Branches in France, Germany, and Russia.

I.....Gesellschaft fur chemische Industrie. Founded 1885. Branch in France.

S.....Chemische Fabrik vorm. Sandoz & Co. Founded 1887.

5. English Companies

ClCo.....The Clayton Aniline Co. (Ltd.), Clayton, near Manchester. Founded 1876.

CR.....Claus & Co. (formerly Claus & Ree), Clayton, near Manchester. Founded 1890.

CV.....Colne Vale Chemical Co., Milnsbridge, near Huddersfield.

RHS.....Read Holliday & Sons (Ltd.), Huddersfield. Founded 1830. (Purchases by British Dyes (Ltd.).)

BD.....British Dyes (Ltd.). Founded 1915.

Lev.....Levinstein (Ltd.), Crumpsall Vale, near Manchester. Founded 1864.

Q.....Importations of unknown source, through dealers in colors.

Business Brevities

Isaac Hillier, of Anderson-Hillier Co., New York crude drug house, was confined to his home last week by a short illness.

The United Medicine Manufacturers of America will hold their 1923 convention April 17-19 at the Chalfonte Hotel, Atlantic City, N. J.

Dr. John B. Turner, dean of the Washington Square College of New York University, has been appointed chief economist of the Tariff Commission.

O. L. Biebing, Secretary of the Mallinckrodt Chemical Works, St. Louis, Mrs. Biebing and their daughter Marguerite sailed for Europe on the Paris last week.

W. G. Ungerer, president of Ungerer & Co., New York essential oil house, is spending a few weeks in the essential oil district of Grasse, France.

Armour & Co., has purchased Morris & Co., for \$30,000,000. The Morris Co. stockholders will receive \$10,000,000 in cash and \$10,000,000 additional in both common and preferred Armour & Co. stocks.

Directors of the St. Joseph Lead Co., declared an extra stock dividend of 25 cents per share in addition to the regular dividend of the same amount. Both are payable June 20 to stock of record June 9.

A \$250,000 calcium arsenate plant will be established at Monroe, La., by the Boll Weevil Insecticide Co., Paragould, Ark. Dr. J. G. Birchett is president of the concern, which has purchased the plant of the Monroe Cotton Oil Co.

F. H. Beach and Robert F. Joyce, former presidents of Bush, Beach & Gent, Inc., New York, have formed a partnership to act as buying agents and representatives for houses abroad. The firm is known as Beach & Joyce and offices are maintained at 80 Maiden Lane, New York. Mr. Beach sold his interest in the parent company to E. V. Gent, who is now in control and president of Bush, Beach & Gent, Inc.

The Nichols Medal was presented last Friday night to Thomas Midgeley, chief fuel engineer of the General Motors Research Corp., at a meeting of the New York Section of the American Chemical Society, held at 52 East 41st st. His paper dealt with the reduction of "knocking" in internal combustion motors. In the absence of Dr. W. H. Nichols, donor of the medal, the presentation was made by Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers' Association.

GERMANS ADVANCE POTASH PRICES

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Berlin, Germany, March 3.—Inland prices of potash have been increased by 150 per cent, and the Federal Potash Council has vested a special committee with power to increase the prices in the same relation as the cost of production is enhanced through advances in wages and salaries, in coal prices, freight, or coal tax.

A director of the Wintershall company said, in regard to the German-American potash business, that it would require some time to increase deliveries. The American market offered very favorable opportunities, he said, though the consumption had not increased since 1913. He estimates the output of the American industry at 50,000 tons of pure potash per year, but as the cost of production is, in his opinion, too high, he thinks companies in the United States will soon stop producing. The strong competition of the Alsace works has to be reckoned with, especially as the French Government is giving a subsidy to the industry which amounted in 1921 to 160 million francs. Prices for nitrate fertilizers have been increased and are now as follows in marks per kilo of nitrate: Sulfate of ammonia, ordinary, marks 7,796.80; sulfate of ammonia, dried and ground, marks 7,971.80; muriate of ammonia, marks 7,796.80; potassium saltpetre, marks 7,796.80. The potash contents are charged according to the current price of potassium chloride per kilo K_2O : Potash saltpetre, marks 9,305.4. Nitrate of lime, marks 6,991.30.

CHEMISTS WILL REPORT ON BOLL WEEVIL

The progress made by agricultural chemists in solving the problem of the best method for ridding the cotton belt in the South of the boll weevil will be reported in a symposium on "Insecticides and Fungicides," at a meeting of the Division of Agricultural and Food Chemistry, at the meeting of the American Chemical Society at New Haven, April 2 to 7. Chemical problems involved in the production of artificial silk paper, gun cotton, smokeless powder, celluloid and pyroxylin lacquers will be discussed in various papers to be presented before the Division of Cellulose Chemistry. This division will deal particularly with recent achievements in the artificial silk industry at a symposium on "Oxycellulose, Cellulose Hydrate and Hydrocellulose."

John W. Weeks, Secretary of War, and Francis P. Garvan, president of the Chemical Foundation, will speak at the general sessions. Chemists of international note who will take part in the chemical society meetings will be Prof. W. Lash Miller, of Canada; Prof. G. Urbain, of France; Prof. F. G. Donnan and Principal J. C. Irvine, of England; Prof. G. Bruni, of Italy; Prof. A. F. Holloman, of The Netherlands, and Professors M. Gomberg, G. N. Lewis and A. A. Noyes. It is estimated that 3,000 chemists will attend the general meeting.

The dedication of the Sterling Chemistry Laboratory of Yale University will be held on Wednesday, April 4, at which members of the chemical society will be guests of the university.

The Coca-Cola Co. declared an extra common stock dividend of 50 cents per share last week, in addition to the regular quarterly dividends of \$1.50 on both common and preferred stocks. All dividends are payable April 2 to stockholders of record March 15.

The Societe Alsacienne des Mines de Potasse, Mulhouse, France, closed the year ending Dec. 31, 1921, with a deficit of 633,666 francs, according to "The Bulletin of the Societe Generale Alsacienne de Banque."

The Editor's Correspondence

What Salesmen Should Know

Editor, DRUG & CHEMICAL MARKETS:

Answering your letter of Feb. 7 with regard to a university extension course on the business side of the chemical industry and your two courses in chemistry for chemical salesmen, if these two courses are properly handled by the university they should be of enormous value to the industry.

As manufacturers, one of our greatest difficulties is to get definite and reliable information from chemical salesmen. It is equally difficult to get a business appreciation of the chemical industry. If business could be given an appreciation of the chemical industry; or, stating it a little more clearly, if the business side of the chemical industry can be taught so that it becomes a public and common commodity, and if the salesmen can be taught an appreciation of the materials they are selling, that is, an intelligent scientific appreciation, we will all be enormously benefited.

REDMANOL CHEMICAL PRODUCTS CO.,

By J. V. Redman, President.

Chicago, Feb. 27, 1923.

DR. HUTCHISON FINDS MANY SUPPORTERS

According to C. P. J. Mooney, editor of the "Commercial Appeal," Memphis, Tenn., the American Cotton Association has no authority whatever to remove Dr. Miller Reese Hutchison, director of the National Campaign for Boll Weevil Control, Inc. Mr. Mooney stated in a telegram to Dr. Hutchison that the organization had grown out of the recent conference, held at Atlanta, and that it was in no way connected with the American Cotton Association.

George M. Shutt, president of the New York Cotton Exchange, said that Dr. Hutchison was capable of directing the work and was likely to continue in that capacity. The fund collected at the Cotton Exchange will be turned over to the American Cotton Association, however, since it was collected for that purpose.

McLane Tilton, financial head of the University of Virginia, has been appointed a director in the National Campaign for Boll Weevil Control, Inc.

NINE MATCH COMPANIES MERGED

Nine small match companies have combined to form the Federal Match Co., which will be the third largest in the country. Those participating in the merger are: the Pennsylvania Match Co., Bellefonte, Pa., Fred Fear, Bloomsburg, Pa., Union Match Co., Duluth, Minn., Reliable Match Co., Ashland, O., Indian Match Co., Crawfordsville, Ind., National Match Co., Joliet, Ill., Wheeling Match Co., Wheeling, W. Va., Cleveland Match Co., Cleveland, O., Minnesota Match Co., Duluth, Minn. The total net assets of the companies are about \$5,000,000 and the capital stock of the new corporation is \$6,000,000.

J. L. Washburn, Duluth, Minn., is chairman of the board, and Fred Fear is chairman of the executive committee. L. A. Sherwood, president of the National Match Co., is president.

The American Druggists Syndicate earned \$430,921 in 1922, after all deductions were made, as compared with losses of \$883,568 in 1921, according to the concern's annual report, recently published.

The Foye Chemical Co., Inc., has a judgment of \$130.97 against the Sterling Steam Laundry, Inc., obtained in New York City last week.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending March 10

	Bid	Asked		Bid	Asked
Air Reduction	63 3/4	64 1/4	Hercules Powd., pf.104	106	
*Allied Chem. & D. 78	78 1/2		Heyden Chem.	2 1/2	2 3/4
*Allied Ch. & D., pf.111 3/4	112		Hooker Electro.	55	65
*Am. Ag. Ch.	32	32 1/2	Hooker Electro, pf. 60	70	
*Am. Ag. Ch., pf.	66	67 1/4	*Int. Agricult.	9 1/2	10 1/4
*Am. Chiclé	8 3/4	9 1/4	*Int. Agricult., pf. 35	36	
*Am. Chiclé, pf.	26		*Int. Nickel.	15 1/2	16 1/2
*Am. Cot. Oil.	16	17	*Int. Nickel, pf.	76	78
*Am. Cot. Oil, pf.	30	31 1/4	*Int. Salt	80	90
*Am. Cyan.	15	20	*Mathieson Alk.	61 1/2	62
*Am. Cyan., pf.	53	56	Merek & Co., pf.	84 1/2	86 1/2
*Am. Druggist S.	6 1/4	7	Merrimac	83	88
Am. Glue	82	85	Mulford Co.	35	40
Am. Glue, pf.	124	126 1/4	Mutual Co.	150	151 1/2
*Am. Linseed	34 1/2	35	*National Lead	130	131 1/2
*Am. Linseed, pf.	36 1/2	37 1/2	*National Lead, pf.112 1/2	179	179 1/2
*Am. Malt	12	13	N. J. Zinc	177	180
*Am. Zinc	17 1/2	17 3/4	Niag. A. pf.	96	100
*Amer. Zinc, pf.	65	57	Parke, Davis & Co. 82 1/2	83	
Atlas Powder	152	161 1/4	Penn. Salt	85	86
Atlas Powd., pf.	87 1/2	89 1/2	People's Gas, Chi. 91	91 1/2	
By. Prod. Co.	57	65	Procter & Gamble.124	128	
Carborundum	135	135 1/4	Procter & Gam., pf.102	106	
Carborundum, pf.	115 1/4	116	Royal Bak. Po.	130	136
Casolin Co.	30	45	Royal Bak. Po., pf. 99	100 1/2	
Celluloid Co.	90	92	Sherwin-Williams ..	93	97
Celluloid Co., pf.	108 1/4	109	Sherwin-W., pf.	90	100
Ches. Mfg.	115	117	Stand. Ch.	29	29 1/2
Ches. Mfg., pf.	111 1/2	117	Swan & Finch	28	32
Com'l Solv. A.	43	44	*Penn. C. & Chem. 12 1/2	12 1/2	
Do B.	26	30	*Tex. Gulf, Sul.	59 1/2	59 1/2
*Corn Products	133 1/4	133 1/2	Union Carbide	63 1/4	63 1/4
*Corn Products, pf.121	122 1/2		Union Sulphur	81 1/2	81 1/2
*Davison Chem.	36 1/2	37	*Un. Drug	47 1/2	48 1/2
Dow Chem.	200	203	*Un. Dyewood	42	42 1/2
Dow Ch., pf.	103	103	*Un. Dyewood, pf.	53 1/2	53 1/2
Du Pont de Nem.	116 1/2	117 1/2	Un. Gas, Imp.	59 1/2	59 1/2
*Du p't de Nem. Db. 86 1/2	87 1/2		Un. Gas, Imp., pf. 56	57	
Eastman Kodak	111 1/2	111 3/4	U. S. Gypsum.	73 1/2	74
Eastman Kodak, pf.108 1/2	109		*U. S. Indus. Al.	68 1/2	68 1/2
*Freeport, Tex., Sul. 19 1/2	20 1/2		*U. S. Indus. Al., pf.100	102 1/2	
Freeport Tex. Sul., pf. 91	93		*Va.-Car. Ch.	22 1/2	22
*Grasselli	128	132	*Va.-Car. Ch., pf.	67 1/2	67 1/2
*Grasselli, pf.	100	101 1/4	*V. Vivaudou	19	19 1/4
Hercules Powder	111	114			

*Listed on New York Stock Exchange

The General Baking Co. declared the regular quarterly dividend of \$1 per share on the common stock last week. The dividend is payable April 2 to holders of record March 17. Last December a 200 per cent stock dividend was declared.

The Northwest Drug Co., Minneapolis, Minn., reported a 100 per cent sales increase in the past five years at the annual banquet of stockholders held last week. Total sales in 1922 reached \$1,600,000. The concern is co-operative.

The St. Joseph Lead Co., reports a net income of \$3,994,325 for the year ended Dec. 31, 1922, after allowing for depreciation, depletion and Federal tax charges. In 1921 the company reported a net loss of \$185,011 after the same deductions.

The United States Gypsum Co. reports earnings of \$3,119,033 in its 1922 financial statement. This amounts to about \$12.18 per share on the common stock, after deducting preferred dividends. Only \$6.16 per share was earned in 1921.

The Asbestos Corp of Canada, Ltd., declared the regular common stock dividend of 1 1/2 per cent and the preferred stock dividend of 1 1/4 per cent, payable April 15 to stockholders of record April 1.

The Master Cleaners and Dyers' Association of New York City and Vicinity, Inc., obtained a judgment of \$2,521.10 from the Brooklyn National Cleaners and Dyers, Inc.

The American Distilling Co. of New York, Inc., filed a judgment for \$186.07 against David H. Johnson, in New York City, last week.

The Beech Nut Packing Co., earned \$1,937,480 in 1922 out of which \$468,571 was paid in dividends to stockholders.

LIGGETT EXPLAINS SALES IN 1922

Louis K. Liggett, president of the United Drug Co., says in his report to stockholders:

To summarize, business for the past year had but one disappointment. That has been in the gross sales. We had anticipated a larger volume in the first six months of the year than was obtained, owing to reduced prices on some of our staple and large selling lines. While this materially increased our unit sales, it had the tendency to hold down the dollar-and-cents total, but that it was wise was proven by the increases which we are now getting in volume. January figures for 1923, which are just completed, show an increase in the manufacturing departments of 22% and a general increase over the combined volume of 13%, with a net increase to profits after charges of \$200,000 over Jan. 1922. The volume of Feb. to date is such as to justify a similar result in that month.

Directors of the Kennecott Copper Corp. authorized an increase in the capital stock of the company from 3,000,000 to 5,000,000 shares, last week. This is the first step in the consolidation of the Kennecott company with the Utah Copper Co. If the stockholders sanction the move 1 1/4 shares of Kennecott stock will be offered in exchange for one Utah Copper Co. certificate.

Stockholders of the Anaconda Copper Mining Co., on Feb. 26 at the company's office at Butte, Mont., authorized the increase of capital stock of the company from 3,000,000 to 6,000,000 shares of the par value of \$50 each. This action completes the details incident to the purchase of 2,200,000 shares of the Chile Copper Co.

Continental Can Co., common stock, to the extent of 65,000 shares is being offered by C. D. Barney & Co., New York City, at \$48.50 per share. No new financing has been entered into by the can company, the stock being the property of a client of the brokerage firm mentioned above.

The Royal Baking Powder Co. has declared the regular quarterly dividends of 2 per cent on the common and 1 1/2 per cent on the preferred, both payable March 31 to stock of record March 15.

The New York Cannery, Inc., report for last year shows net profits of \$617,748, after making all deductions. Total sales were reported as \$7,768,752.

New Incorporations

Stradford Mfg. Co., Philadelphia, \$1,250,000. To make chemicals. Corporation Guarantee & Trust Co., Land Title Bldg., Philadelphia.

Thomas F. Turull, Inc., New York, \$150,000. To export chemicals to Cuba. W. Burke, T. F. Turull, 140 Liberty st.

Cyaco Chemical Co., New York, \$20,000. C. and I. and A. Juster; attorneys, Jenks & Rogers, 67 Wall st.

Mex-Al Co., Wilmington, Del., \$1,000,000. To make chemicals. Corporation Service Co. of America.

Progressive Color and Chemical Co., New York, \$100,000. H. Hintze, G. A. Kuhl, H. Feix; attorney, O. Oechler, 481 Knickerbocker ave., Brooklyn.

Victoria Development Co., Wilmington, Del., \$600,000. To quarry for gypsum. Corporation Trust Co. of America.

The Bond Chemist Shop, Inc., 338 Asylum st., Hartford, Conn., \$50,000. To make chemicals. G. L. Rapport, A. G. Bush, G. L. Day.

Tucker Chemical Mfg. Co., Paducah, Ky., \$25,000. To make chemicals. T. A. Miller, C. E. Pace, W. C. Richman, Paducah.

Al-Sano Chemical Products Co., 29 South La Salle st., Chicago, \$300,000. To make chemicals. E. S. Fisher, Fern Warren, L. E. Sweitzer.

Lubbock Cotton Oil Co., Lubbock, Tex., \$150,000. To make cotton oil and products. J. W. Simmons, Jr., F. J. Phillips, H. M. Simmons, Lubbock.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 672

COPPER SULFATE DEMAND FALLS OFF

Caustic Potash Strong on Small Stocks and High Shipping Costs—Prussiates Yield Slightly to Lack of Demand—Good Export Demand for Caustic Soda—Heavy Acids in Active Demand

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Ammonium Chloride, white, 1/4c lb. Potassium Carb., 96-98%, 1/4c lb.
Declined
Sodium Prussiate, yel., 1/4c lb. Potassium Prussiate, yel., 1/4c lb.

	Trend of the Market			Last Year	War Peak	Pre-War
	Today	Last Week	Last Month			
Acetic Acid, Glacial....lb.	\$12	\$12	\$12	\$9	\$19 1/2	\$7
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	16.00	65.00	20.00
Bleaching Powder, Works.....100 lbs.	2.00	2.00	2.00	1.90	9.80	1.50
Copper Sulfate.....100 lbs.	6.40	6.40	6.00	5.40	20.00	4.50
Potash Caustic.....lb.	.08	.08	.07 1/4	.08 1/4	.87	.08
Saltpetre, cryst.....lb.	.07	.07	.07 1/2	.07 3/4	.35 1/2	.04 1/2
Soda Ash, 58 p.c.....100 lbs.	1.80	1.80	1.80	1.75	3.50	.60
Caustic Soda, 76 p.c.100 lbs.	3.55	3.55	3.55	3.60	9.50	1.42
Potassium Bichromate..lb.	.10	.10	.10	.10	.65	.06 1/2
Average.....	3.12 1/2	3.12 1/2	3.07 1/2	3.20 1/2	11.06	3.14

Although business in heavy chemicals was fairly good during the first week of this month, trading in the spot market has become quiet again. Some business is passing, but it is confined to small quantities. Manufacturers report a steady volume of business for the consuming industries located outside the metropolitan district. The main difficulty at present is in making shipments. Caustic potash is occupying attention owing to the fact that domestic manufacturers must compete with importers, although imported potash stocks are said to be small. Shipping costs abroad are increasing and soon they will be on a par with present domestic prices. Demand for copper sulfate fell off during the week. The recent advances in this commodity, due to higher cost of copper, have had a tendency to restrict business, and buyers appear to be waiting either for lower prices or until buying becomes necessary. Compounds of tin, lead and copper are very strong. Export demand for caustic soda has been more active. Heavy acid demand is very good and some makers are having difficulty in meeting new orders. Prussiates are easier. Ammonium chloride is slightly higher. Arsenic is steady at recent quotations. The demand for bleach is strong and stocks are not very large.

Acid, Acetic—Demand is quite steady but present prices have a tendency to restrict buying of this acid for some cheaper acid which serves the same purpose. The schedule quotes 28 per cent at \$3.17@3.42 as to quantity in barrels at works. 56 per cent, \$6.35@6.60. 70 per cent, \$7.94@8.19. 80 per cent, \$9.08@10.85. Glacial, \$12.05@12.80.

Acid Hydrofluoric—Steady demand from the glass makers. 30 per cent named at 6c@7c/lb in barrels. 48 per cent, 10c@11c/lb. 52 per cent, 11c@12c/lb. 60 per cent, 13c@14c/lb. White, 25c@26c/lb.

Acid, Muriatic—There has been a steady increase in demand and now makers' production is pretty well sold in advance. 18 degree in tanks held at 90c@1.00. 20 degree in tanks, \$1.00@1.10. In carboys, \$1.10@1.50. Iron free, \$1.35 in carlots. 22 degree in carboys, \$1.75@2.00.

Acid, Oxalic—Demand is along steady lines with makers quoting 12 1/2c@12 3/4c/lb at works. Spot, 13c@13 1/4c/lb. Imported quiet at 13c@13 1/4c/lb.

Acid, Sulfuric—Stocks are no longer plentiful and makers are having difficulty in supplying the demand from some quarters. Production has been increasing steadily. 60 degree acid is in best supply. Tanks at \$9@11 at works. 66 degree becoming scarce. Selling at \$14@16 ton in tanks at works. Oleum is scarce, though quoted at \$17@18 ton.

Acetone—Stocks are in limited quantities and prices are strong at the recent advance. Carlots of drums at works quoted at 22c/lb. In less cars, 22 1/2c/lb. Second hand prices are higher around 25c@26c/lb.

Alums—Business is along routine lines with prices steady. Ammonia lump at works, \$3.50@3.65 as to quantity. Imported at \$3.25@3.50. Ground, \$3.65@3.75. Powdered at \$3.90@4.00. Potash lump at 4 1/4c lb domestic. Imported at 3c@3 1/4c/lb.

Ammonium Chloride—Demand is active and prices have stiffened. Domestic white at 7 1/4c@8c/lb. Imported at 6 1/4c/lb. Gray, domestic, 8c@8 1/2c/lb. Imported, 8c@9c/lb.

Arsenic—The market is quiet with little consuming demand at present prices. The bulk of supplies have passed into consumers' hands, though there is still a shortage of material. Holders are quoting 15 1/2c@16c/lb on spot.

Barium Chloride—Quiet with makers and importers quoting \$90@95 per ton. One lot for shipment is held at \$85 per ton.

Bleaching Powder—Makers report a strong steady demand. Supplies are in better shape than they have been, though prices are also higher. Spot prices range from \$2.40@2.65. At works, \$2.15@2.25. Contracts at \$1.90@2.00.

Copper Sulfate—The recent advances in this commodity put a damper on buying. The past week showed a decided decrease in sales. Prices are firm, however, with copper at 17c/lb and prospects good for further advances in this metal. Small crystals are held at \$6.40 and large at \$6.50 in carlots. Imported held at 5 3/4c@6c/lb.

Copperas—Supplies were in fairly good shape but an increased demand took up all available supplies. Quotations are at \$20@21 per ton in bulk at works. Bags at \$23 and barrels at \$25.

Potash, Caustic—Domestic makers are now competing with the importers of this material. Shipping prices are at 8 1/4c/lb. and spot goods at 8c/lb with not much available. Some holders are said to be holding for higher prices. Domestic prices are 8 1/2c/lb at works. Demand is active.

Potassium Carbonate—Prices are very strong in view of the higher replacement costs. 96-98 per cent is up to 8c@8 1/2c/lb. with shipping prices at 8c/lb. 80-85 per cent at 7 1/4@8c/lb. 99 per cent 8c@8 1/2c/lb.

Potassium Prussiate—Yellow is slightly lower on small demand. Offered at 37 1/4c/lb. Red is steady at 80c@85c/lb.

Soda Ash—Ex-warehouse prices for standard brands are now at \$2.00 per 100lbs. Resale prices from \$1.75@

\$1.90 as to quantity and seller. Contract still at \$1.20 for 48 per cent in carlots of bags at works. Demand is very good and the only difficulty at present is the shipping delay from works at the consumers.

Soda, Caustic—Export demand is again showing improvement while the domestic demand is strong and steady. Some sections of the country are running short of supplies due to delays in shipping, though the shortage has not become serious. Contract prices are unchanged at \$2.50 per 100lbs for 60 per cent in carlots at works. Export prices at \$3.40@3.60. Ex-store prices at \$3.70 for 76 per cent. Resale prices, \$3.40@3.50.

Heavy Chemical Notes

Paul G. Kaiser of the Meteor Chemical Co., New York, has returned from a trip to Europe. He visited England, France and Germany.

Japanese imports of crude ammonium sulfate in 1921 amounted to 1,320,409 piculs compared with 1,201,603 piculs in 1920. A picul equals 133.31 lbs.

The Federal Phosphorus Co., Anniston, Alabama, claims to have perfected a process for the manufacture of calcium arsenate from arseno-pyrites ore that is found in the Anniston mining district.

Weisenthal & Co., 565 Broadway, New York, importers of heavy chemicals, have been appointed sole agents for the United States and Canada for Saponin, manufactured by Dr. Sthamer of Germany.

The Sulphur Export Corporation, Denver, Colo., will increase its capital stock from \$100,000 to \$500,000 for the purpose of facilitating the negotiations which are under way between the corporation and the Italian government with respect to the exportation of sulfur.

Dr. Miller Reese Hutchison, director of the National Campaign for Boll Weevil Control, announces that McLane Tilton, of Charlottesville, Va., has accepted appointment as chairman of the finance committee. The plan is to establish in New York a central purchasing bureau for calcium arsenate. This agency will in turn distribute the material to state agencies.

R. W. Greeff & Co., New York, sales agents for the Norwich Chemical Manufacturing Co., East Smithport, Pa., have announced a new schedule of prices on acetone and acetone oils as follows: Acetone, C.P., 22c lb. in carlots, 22½c less cars; ethyl methyl ketone, 22c carlots, 22½c less; acetone oils, all grades, 90c gal., carlots; 95c gal. less cars; all quoted f.o.b. works and drums extra.

Belgian imports of chemicals for 1921 and 1920, from figures published in the supplement to Commerce reports, show 49,401,725 kilos in 1921 compared with 21,717,778 in 1920. Sodium nitrate, 278,226,457 kilos against 116,417,381 kilos in 1920. Sodium sulfate, 11,706,292 kilos compared with 41,601,170 in 1920. Ammonium sulfate, 28,170,754 kilos against 5,513,029 in 1920.

In the course of the investigation of the kaolins, bauxite and feldspars along the right of way of the Central of Georgia Railway, being conducted by the United States Bureau of Mines, at its ceramic station at Columbus, Ohio, the work is being grouped under three heads—whiteware clays, refractory clays and bauxites, and vitrified face brick. The best clays are being tested for their pottery properties, while the impure bauxite clays are being tested for their utility as material for refractories.

FERTILIZER OUTPUT DECREASED IN 1921

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., March 14.—A considerable decrease in the activities of the establishments engaged in the manufacture of fertilizers during 1921, in comparison with the year 1919, is shown in a report of the Census Bureau. The total value of products reported amounted to \$180,374,800, compared with \$281,143,600 for 1919; and \$153,196,100 for 1914, a decrease of 36 per cent from 1919 to 1921, but an increase of 18 per cent for the seven-year period 1914 to 1921.

Of the 588 establishments reported in 1921, 138 were located in Georgia; 57 in North Carolina; 50 in South Carolina; 47 in Virginia; 44 each in Alabama and Maryland; 28 in Pennsylvania; 22 in Ohio; 19 in New Jersey; 17 in Florida; 14 in Illinois; 12 in California; 11 in Indiana, 10 in Tennessee; 9 in Maine; 8 in Mississippi; 7 in Louisiana; 6 in Delaware; 5 each in Connecticut and Massachusetts; 4 each in Kansas, New York and Washington; 3 each in Arkansas, Kentucky, Missouri and Texas; 2 in Nebraska; and 1 each in Colorado, Iowa, Michigan, Minnesota, Montana, Oregon, Vermont, West Virginia and Wisconsin.

The South Central and South Atlantic States reported approximately 62 per cent of the value of products in 1921; 73 per cent in 1919; and 70 per cent in 1914; the North Central, Middle Atlantic and New England States, 35 per cent in 1921; 25 per cent in 1919; and 28 per cent in 1914; and the Mountain and Pacific States, 2.5, 1.5 and 1.6 per cent, respectively.

PRODUCED 776,520 TONS SODA ASH

Establishments manufacturing sodas and sodium compounds show a production aggregating in value \$81,884,100 in 1921, as compared with \$99,689,828 in 1919, a decrease of 18 per cent, according to the Census Bureau.

Soda ash is the leading commodity of the group, with a production for sale of 776,520 tons, valued at \$29,355,800, or 36 per cent of the group total in 1921, as compared with 1,033,480 tons, valued at \$31,195,140, or 31 per cent of the total value in 1919.

The hydroxide (caustic soda) is second, with 231,350 tons, valued at \$18,134,300, or 23 per cent of the total value in 1921, and 302,121 tons, valued at \$18,691,047, or 19 per cent of the total value in 1919. Next in rank are the silicate with 195,320 tons, value \$4,320,200 in 1921, and 236,791 tons, value \$6,052,318 in 1919; the bichromate, with 15,760 tons, value \$3,343,300 in 1921, and 22,992 tons, value \$5,337,389 in 1919; the phosphate, with 26,190 tons, value \$3,048,900 in 1921, and 22,351 tons, value \$2,438,917 in 1919; the bichromate with 109,860 tons, value \$2,988,900 in 1921, and 141,556 tons, value \$3,695,417 in 1919.

The Neal Lime Works, Inc., Calera, Ala., will begin the construction of a 1,000,000 barrel plant near Calera in the near future. The plant will cost about \$500,000.

W. T. Chisholm, vice-president of the International Salt Co., has written on "Common Salt As a Chemical Product"—the Commercial History and Production of Sodium Chloride, Key of Modern Alkali Production. To be published in DRUG & CHEMICAL MARKETS next week, the issue of March 21. Mr. Chisholm is a recognized authority connected with one of the oldest companies in America. An article of keen interest to every consumer of salt and its derivatives.

The Intermediate and Dye Market

Current Spot Quotations of Intermediates, see Chemicals, page 676

ALPHA-NAPHTHYLAMINE ADVANCED

Active Demand and Scarcity of Supplies Followed by Increase in Price—Phenol Derivatives Higher on Cost of Phenol—Para-toluidine Scarce—H-acid Production Sold for Month in Advance—Naphthalene Active and Firm

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced						
Alpha-naphthylamine, 3c lb.	Ortho-nitrophenol, 10c lb.					
Diaminophenol, 5c lb.	Para-phenylenediamine, 5c lb.					
Dinitrophenol, 5c lb.	Ortho-nitrophenol, 15c lb.					
Ortho-aminophenol, 10c lb.	Para-toluidine, 5c lb.					
	Phenol, 5c lb.					
Declined						
No Declines						
Trend of the Market						
	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Benzene, C.P. gal.	\$.30	\$.30	\$.30	\$.29	\$1.10	\$.25
Naphthalene, flake lb.	.07	.07	.06	.07½	.16	.03
Phenol lb.	.50	.45	.35	.12	1.50	.45
Xylene, 2-deg. gal.	.45	.45	.45	.45	..	..
Toluene, pure gal.	.30	.30	.30	.30	..	..
Aniline Oil lb.	.16	.16	.16	.15½	1.40	.10½
Benzaldehyde lb.	.60	.60	.60	.55	..	..
Betanaphthol, dist. lb.	.24	.24	.24	.28	1.50	.08
Paranitraniline lb.	.74	.74	.74	.77	1.85	.18
Average	0.369	0.365	0.353	0.334	1.25	1.67

Demand for intermediates, which has been gaining steadily since the first of the year, continues to improve. Many intermediates which have been neglected for months are now being called for and the demand is covering a broader field. In many instances stocks have become depleted and consumers are having difficulty in locating supplies. In others, makers are unable to supply the increasing demand and their production is sold several months in advance. H-acid, in particular, is difficult to obtain promptly. Demand for intermediates for export has been increasing and sales of some products have already been made. Prices are beginning to react with an upward trend under the stimulus of higher costs of raw materials, light stocks and better demand. Alpha-naphthylamine is scarce and higher. All phenol derivatives have shown a gain. Para-toluidine supplies are very low and prices higher. Para-nitraniline is in strong demand. Beta-naphthol is steady.

Phenol is still the center of interest in the coal-tar crudes. Last week's advances were well maintained and it is difficult to obtain quotations below 50c/lb. Stocks are in very small supply, the offerings being in small lots only. Large lots are commanding higher prices than smaller ones. The cresylic acid situation is unchanged. Naphthalene is much firmer. Benzene is in better supply and toluene is improving.

Coal-Tar Crudes

Benzene—Supplies are in better shape while demand is less active at this season. Quotations are unchanged in producers' hands at 27c@32c per gallon as to quantity for 90 per cent C. P. is quoted at 30c@35c per gallon. Resale prices are named at 33c for 90 per cent and 36c@37c for the C. P.

Cresylic Acid—The market is bare of supplies except for odd lots which are uncovered occasionally. These are usually taken "as is" at prices from \$1.50@ \$1.60 per gallon.

Naphthalene—The market is decidedly firmer with supplies none too plentiful. Resale prices for flake are named at 7c@7½c/lb as to quantity, the lower price being for carlots. Balls are heard at 8c@8½c/lb. Makers' prices range from 6c@7c/lb, but it is understood that production is well sold. Crude continues firm at 2¾c@3c/lb. as to quality.

Phenol—The market was irregular during the week. After reaching 50c/lb. prices dropped back to 46c@47c/lb but at the close of the week nothing lower than 50c/lb could be located. Sales have been reported at 55c/lb for a small lot. Supplies are very low and no large quantities can be found. The foreign market is firm at 41c c.i.f. which would bring the prices up to around 70c/lb duty paid, New York. Japanese consumers have been buying in large quantities recently.

Toluene—Production is increasing gradually but supplies are still only in limited quantities. Quotations at 30c per gallon in tanks and 35c in drums.

Solvent Naphtha—Large demand has taken up all available stocks and there is none to be found in the market at any price. Nothing is expected for several months to come.

Xylene—No 2 degree or 5 degree material is to be had, as supplies have been taken up long ago and nothing is being produced. A commercial product is available at 29c@32c per gallon.

Intermediates

Acid, Anthranilic—In routine demand at 98c@\$1.00 for the technical grade, refined is quoted at \$1.30/lb.

Acid, Cleves—Buying is confined to an occasional small order. Prices are quoted at \$1.05@\$1.10/lb.

Acid, Gamma—Demand for this intermediate continues steady and in good volume. Ton lots are named at \$1.70 and in smaller lots at \$1.80.

Acid, H—Makers' production is well sold in advance and it is difficult to obtain prompt deliveries. Demand has been increasing steadily. Quotations are at 80c@ 90c/lb as to quantity.

Acid, Salicylic—Higher costs of production have made the market strong. Demand is still strong. Prices at 42c@47c/lb for technical and 45c@50c/lb for U. S. P. Resale stocks are well cleaned out.

Alpha-naphthylamine—Stocks have become very small and makers have advanced their prices to 33c@ 35c/lb. Demand active.

Aniline Oil—Steady demand and movement. Tanks at 16c/lb and in drums at 16½c@17c as to quantity.

Benzidine—Makers are quoting ton lots at 82c@ 84c/lb as to seller. In smaller lots at 84c@86c/lb. Steady movement.

Beta-Naphthol—Moving regularly at 23c@24c/lb for ton lots, and 24c@26c/lb for smaller quantities.

Para-amidophenol—Higher costs of production have caused makers to advance their prices. An odd lot may be found at lower prices. The range is from \$1.15@ \$1.50/lb for the base. Hydrochloride at \$1.50/lb.

Para-nitraniline—Makers are firm at 74c@76c/lb as to quantity. Demand has been active. Supplies are somewhat limited.

Para-phenylenediamine—In better demand at slight

ly higher prices. \$1.55@1.60lb depending upon the quantity.

R-Salt—Demand continues along steady lines. Prices are named at 55c@70c/lb as to quantity and quality.

Dyestuff Notes

Prof. Edwin B. Twitmeyer, of the University of Pennsylvania, Philadelphia, has invented a machine for testing colors.

Coke production in the Connellsville district during the week ended March 3 was estimated at 278,330 tons, increase of 17,260 over preceding week.

Dyestuff stocks in Mexico are rather short, according to an official Department of Commerce report. Business in that country is rather dull, says the communication.

P. J. Bushnell, who has been in charge of dye import statistics at New York for the last six weeks, has returned to Washington for assignment as a foreign trade commissioner.

John W. Linnehan, for fifteen years head salesman with F. E. Atteaux & Co., Boston, and identified with the dyestuff industry nearly all his life, died March 6, at the age of sixty, at his home in Boston.

Ortho-anisidine has been in some request recently with buyers unable to locate supplies. Several manufacturers who are producing this intermediate have only enough left for their own requirements and are not offering for sale.

Dr. Henry B. Faber of the Buffalo plant of the National Aniline & Chemical Co., spoke at a luncheon on March 12 at the Engineers' Club, New York, to a group of American bankers regarding the status of the American chemical industry to-day from a financial viewpoint.

The Department of Commerce and the State Department are receiving protests from the American dye and chemical importers regarding the holding up of shipments to the Ruhr district because of the French occupation. The matter has been placed in the hands of the State Department for such action as is possible but no protest by the United States Government is expected.

A suggestion has been made in Washington regarding the reparation situation by which the Reparation Commission in Paris would obtain the American portion of the reparation dyes, sell these dyes and turn the proceeds over to the American government in partial payment of U. S. reparation claims. It is not believed, however, that this proposition will ever be made to the Reparation Commission, because it is not thought to be practical.

No dyes are obtainable in Germany at the present time, according to a statement by Col. H. A. Metz of H. A. Metz & Co., New York. Imports for February amounted to 191,709 pounds which was due mainly to the fact that importers had bought up all available stocks on the other side. The German dyestuff manufacturers are now either not turning out the colors, or the dyes are held up for export taxes. No dye famine is feared in this country, however, as 90 per cent of the country's needs are now being supplied by domestic manufacturers, and new colors are being put on the market every week.

GERMAN DYE EXPORTS CUT IN HALF SINCE 1913, OFFICIAL FIGURES SHOW

First Half of 1922 Color Exports Totalled 15,541 Metric Tons As Against 64,288 in 1913—United States Took 21 Per Cent in 1913, but Less Than One Per Cent To-day—China Has Become Best Customer

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Berlin, March 3.—Exports of dyes and colors from Germany during the first half of 1922 compared with the figures for the fiscal year 1923 are given as follows in metric tons:

	1913	First 6 mo. 1923
United States	13,855	103
Great Britain	11,016	180
China	8,461	3,587
Austria-Hungary	5,779	....
Italy	4,097	537
British India	3,823	1,033
Japan	3,506	1,659
Belgium	2,509	91
France	1,382	....
Netherlands	1,365	546
Russia	1,098	....
Czechoslovakia .....	....	1,861
Baltic States .....	....	1,201
Austria .....	....	629
Total	64,288	15,541

The United States, which before the war imported 21.5 per cent of the entire German export of dyes and colors, bought in the first six months of 1922 only 0.7 per cent. England's participation dropped from 17.1 to 1.2 per cent. China has become the most important foreign field for German exports of colors and dyes, with Czechoslovakia, Japan, the Baltic States and England following.

Exports of potash, which since the summer of 1921 were on a rising scale, dropped again in the summer of 1922 (167,226 tons against 235,056 tons). While such exports in the business year 1921-22 were less by 180,000 tons compared with the previous business year, exports of 1913 were exceeded by one million tons. With the exception of potash, artificial fertilizers cannot be exported any more in quantities, which fact is due to the shortage of phosphates in Germany. Exports of pharmaceuticals have increased, although pre-war volumes have not been reached.

Gerstendorfer Brothers, 231 East Forty-second st., Brooklyn, N. Y., manufacturers of bronze powders, have awarded a contract to the John W. Ferguson Co., Union Bank Building, Paterson, N. J., for a one-story plant, 25 by 200 feet, with three one-story structures adjoining, 40 by 39 feet, 40 by 45 feet, and 30 by 500 feet, respectively. The works will be located at Clinton and Lorraine sts., Brooklyn, and is estimated to cost \$385,000, including operating machinery and equipment. A portion of the plant will be given over to the manufacture of varnishes. Edward Eckart heads the company.

American dye manufacturers are expected to increase their export trade to the Far East heavily, in view of the restricted output in Germany. Before the war, China was the largest consumer of dyes in the world. India and Japan also are big factors in dye commerce. The bulk of this business has been held by Germany, but recent curtailment of output in Germany has caused these countries to look to America for colors.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 667

CHINAWOOD AND LINSEED OILS ADVANCE

Supplies Of Chinawood Very Scarce On Spot—Shipments From The Orient Are Slow—Linseed Crushers Have Little To Offer—Cottonseed Oil Higher—Crude Corn Oil Slightly Easier—Animal Oils Advance On Strong Demand.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

		Advanced						
Chinawood Oil, 1c lb.		Red Oil, 3/4c lb.						
Cod Oil, 2c gal.		Rapeseed, blown, 3c lb.						
Cottonseed Oil, crude, 3/4c lb.		Sesame, 5c lb.						
Greases, 3/4c lb.		Soya Bean, crude, 3/4c lb.						
Lard Oil, 3/4c@9/4c lb.		Stearic Acid, D. P., 3/4c lb.						
Linseed Oil, 1c gal.		T. P., 3/4c lb.						
Oleo Oil, 3/4c lb.		Stearine, oleo, 3/4c lb.						
		Tallow, 3/4c lb.						
		Declined						
Corn Oil, crude, mills, 3/4c lb.								
		Trend of the Market						
		Today	Last Week	Last Month	Last Year	War Peak	Pre-War	
Cod Oil, N. F.....gal.	\$.68	\$.68	\$.63	\$.57	\$1.27	\$.36 1/2		
Degras, American, bbl..lb.	.043 1/4	.043 1/4	.043 1/4	.03 1/4	.25	.03 1/4		
Lard, No. 1.....gal.	.97 1/2	.97 1/2	.97 1/2	.66	2.90	.92		
Menhaden, crd. bbls...gal.	.53	.53	.53	.40	1.20	.33		
Neatsfoot, 20 deg. c.t.gal.	1.89	1.39	1.39	1.32	3.45	.95		
Red Oil, distilled.....lb.	.12	.11 1/4	.11 1/2	.08 1/4	.17	.07		
Stearic Acid, T.P.....lb.	.15 1/4	.15 1/4	.15 1/4	.10 1/4	.33	.12		
Coconut, Ceylon.....lb.								
Dom., bbls.....lb.	.09 1/2	.09 1/2	.09 1/4	.08 1/2	.90	.14		
Cottonseed, crude, tanks..lb.	.10 1/4	.10	.09 1/2	.10	.25	.08		
Linseed, carlots.....gal.	.99	.98	.96	.84	1.88	.57		
Olive, denatured.....gal.	1.15	1.15	1.15	1.10	4.50	1.05		
Peanut, refined.....lb.	.16 1/2	.16 1/2	.16 1/2	.11	.30	.08		
Soya Bean, bbls.....lb.	.12 1/4	.12 1/4	.12 1/4	.10	.19 1/2	.07		
Average .....	.0497	.0496	.0491	.0418	1.30	.0362		

Scarcity of supplies continues to restrict the volume of business in the market and is responsible for frequent increases in prices. Seed and other raw materials have also been advancing in both foreign and domestic markets, which has had a strengthening effect upon the refined oils. Chinawood oil is the strongest item in the vegetable oils. Offerings are very small in the spot market while shipments from the Orient are coming through very slowly. Various reasons are given for the shortage—from small crops to Chinese revolutions. Linseed oil crushers have very little to offer for prompt delivery and in many cases are having difficulty in meeting contracts. There is very little seed in the northwest and crushers there are now using imported seed. Crude corn oil is slightly easier. Coconut oil is firm, though not much business is passing. Castor oil is strong. Cottonseed oil has been more active and prices advanced considerably. Crude soya bean oil is higher on spot. Animal oils showed more strength on small offerings and an active demand. Greases all advanced. Tallow is higher. Red oil and stearic acid were advanced on higher costs of production. Oleo oil is stronger. Fish oils are scarce and prices more or less nominal. Turpentine and rosin have been steady.

Vegetable Oils

Castor Oil—The market is in a strong position owing to the higher costs and small supply of seed. No. 1 is now quoted at 14c@14 1/2c lb as to quantity in barrels. Cases, 15c@15 1/2c lb. No. 3 named at 13 1/2c@14c lb.

Chinawood Oil—Spot oil is now quoted at 21c@22c lb. in barrels as to seller. Offerings are very limited

and holders are firm in their prices. Shipments from China are coming through very slowly and at higher prices. April-May oil quoted at 19 1/4c lb. Short crops, low water in the rivers, and domestic disturbances are the reasons given for the shortage.

Coconut Oil—Little change in the market which has been quiet. Ceylon in tanks on spot is quoted at 8 3/4c@8 3/4c lb. Barrels at 9 1/2c@9 3/4c lb. Cochin 9 1/4c@9 3/4c lb in tanks and 10 1/4c@10 1/2c lb in barrel. Manila named at 8c@8 1/2c lb at Coast. Edible in barrels New York, 10 3/4c@11c lb.

Corn Oil—Crude is slightly easier at 10 1/2c@10 1/4c lb in tanks at mills. On spot in barrels at 12 1/2c@13c lb. Refined on spot at 13 1/2c lb.

Cottonseed Oil—The market showed considerable more activity during the week with an increase in the number of sales and an advance in prices. Spot oil, opened the week at \$11.40. March, 11.48@11.50. April, 11.50@11.65. May, 11.71@11.78. June, 11.75@11.85. July, 11.90@11.94. Aug, 11.90@11.95. Sept, 11.82@11.84. Oct, 10.90@11.10. Crude at mills, Southeast and Valley, 10 1/4c lb. Texas, 10c.

Linseed Oil—Crushers have advanced their prices to 99c per gallon for oil on spot in carlots. Tanks are now at a 5c differential at 94c. Stocks are very small on spot and some crushers would have difficulty in supplying a carlot. Flaxseed prices gained a little but not as much as would be expected with the scarcity of seed in the Northwest. Winnipeg, May, opened at \$2.38. July, \$2.32. Dufuth cash \$2.95 1/2. Mar. \$2.95 1/2. May, \$2.77 1/2. July, \$2.70 1/2. Buenos Aires quiet at \$1.87 1/4 at opening of the week. London linseed oil, 41s. Antwerp, 347f.

Olive Oil—Denatured is still quoted at \$1.15@\$1.17 with buying along moderate lines. Edible fairly active at \$1.80@\$2.20. Fooths, 9 1/4c@9 1/2c lb. The decision on duty question on fooths is expected to be favorable to the importers.

Palm Oil—Supplies somewhat limited and quotations are firm and with an upward tendency. Lagos firm at 8c@8 1/2c lb. Niger strong at 7 3/4c@7 3/4c lb. Calabar scarce and at quotations similar to Niger.

Peanut Oil—Prices are exceedingly firm in view of the scarcity of offering. Refined quoted at 17c@17 1/2c lb. Crude in barrels New York at 15c lb. At mills at 14c lb. April arrival, New York, 15 3/4c@16 1/4c lb.

Rapeseed Oil—Refined firm at 85c@86c lb. Blown higher at \$1.05.

Sesame—Sellers naming higher prices at \$1.20 lb for edible.

Soya Bean Oil—Crude is held at higher prices on scarcity of spot goods and a fairly good demand. In barrels at 12 1/4c lb. At Coast, 10 3/4c@10 1/2c lb. Refined on spot at 12 3/4c@13c lb.

Animal Oils

Greases—Increased demand has strengthened the market and the lower grades are up 1/4c lb. Yellow, 8 3/4c lb. Brown, 8 1/2c lb. House, 8 3/4c lb. Bone naphtha, 8 1/4c lb.

Lard Oil—Producers advanced their prices this week, and are now quoting 15 1/2c lb for edible prime. Off prime, 14 1/4c lb. Extra, 13 3/4c lb. Extra No. 1, 13 1/4c lb. No. 1, 13c lb. No. 2, 12 3/4c lb.

Neatsfoot Oil—Market remained steady with moderate activity. 20 degree test at 18½¢@20clb. 30 degree test, 15¼¢@15½clb.

Oleo Oil—All grades were advanced ¼clb. Demand active and supplies somewhat limited. No. 1, 13¼¢@13½clb. No. 2, 11¼¢@11½clb. No. 3, 10¢@10¼lb.

Red Oil—Makers are quoting higher prices and are now the basis of 12clb in carlots and 12½clb in smaller quantities.

Stearic Acid—Again advanced on general higher costs, increased demands and limited supplies. Double pressed at 14½¢@15clb as to quantity. Triple pressed 16¢@16½clb.

Tallow—City extra higher at 9¼¢@9½clb. Demand is active and offerings are limited.

Fish Oils

Cod Oil—Stocks are in small volume and holders have advanced their prices on slightly better demand. Newfoundland in barrels at 70¢@71c per gallon. Tanks at 68¢@69c.

Menhaden Oil—Crude is very scarce and holders are firm in their prices. Sales have been reported made on the next seasons catch on the "if made" basis. Refined oils are also scarce and prices firm. Light strained, 75¢@76gal. Yellow bleached, 78cgal.

Sperm Oil—38 degree cold test bleached is steady at \$1.09. 45 degree test held at \$1.04.

Naval Stores

Turpentine—Demand was steady during the week and prices were without change. Ex-yard price New York at \$1.54. Savannah is firm at \$1.46¼.

Rosin—Demand was along steady lines and prices held firm. B, \$6.15. D and E, \$6.35. F to I, \$6.40. M, \$6.50. N, \$7.00. WG, \$7.25. WW, \$8.10.

L. P. Nemzek, who for six years has been director of the technical division of the paint department of E. I. du Pont de Nemours & Co., has taken over, in addition to this work and the work of the paint and varnish production at the Philadelphia plant, the management of the industrial and railway sales division. Mr. Nemzek is an active member of the American Chemical Society and the American Society for Testing Materials. In the latter, he is chairman of a number of important committees dealing with investigation of preservative coatings for structural materials.

J. A. L'Ibal, who was mentioned as office manager for Mason Harker & Co., in DRUG & CHEMICAL MARKETS, last week, disclaims connection with the firm, being a tenant in the same suite of offices, but not dealing in chemicals, fatty oils or glycerin, which are the specialties of Mason Harker & Co. Mr. L'Ibal deals in petroleum chiefly.

No indictments would be found against the Paint Manufacturers' Association, according to a recent announcement by United States District Attorney in Philadelphia. Investigation of charges of price fixing, restraints of trade and other alleged violations of the Sherman anti-trust law were completed March 3 by the Federal Grand Jury.

G. S. Alexander & Co., chemicals, fertilizers and fish oils, have moved their offices to 33 Rector st., New York, the change taking effect March 14. Their telephone number is unchanged, Bowling Green 6730 and 6731.

The Certain-Teed Products Corp. has declared the regular quarterly dividend on the first and second preferred stocks of 1¼ per cent, payable April 1 to holders of record March 22.

LINSEED OIL OUTPUT WORTH \$71,000,000

Washington, D. C., March 14—The value of products of establishments engaged in the manufacture of linseed oil amounted to \$71,032,000 in 1921, compared with \$120,638,000 in 1919 and \$44,883,000 in 1914, a decrease of 41.1 per cent from 1919 to 1921, but an increase of 58.3 per cent for the seven-year period, 1914 to 1921. In addition, establishments manufacturing other products of chief value reported production of linseed oil to the value of \$3,002,000 in 1921; \$2,889,000 in 1919; and \$1,286,000 in 1914.

Of the 28 establishments reporting in 1921, 7 each were located in Minnesota and New York; 3 each in Illinois and Ohio; 2 each in New Jersey and Wisconsin; and 1 each in California, Iowa, Kansas and Oregon. Minnesota, the leading state in the industry in 1921, reported 31.2 per cent of the total value of products in that year.

In December, the month of maximum employment, 2,243 wage earners were reported, and in May, the month of minimum employment, 1,917, the minimum representing 85.5 per cent of the maximum. The average number employed during 1921 was 2,073 as compared with 2,173 in 1919.

OLIVE OIL FOOTS PLACED ON FREE LIST

A formal Treasury ruling that olive oil foots will be placed on the free list has been signed by Assistant Secretary Moss. Heretofore Customs officials have held olive oil foots dutiable at 10 per cent as waste not specifically provided for under Paragraph 1457. The new ruling holds that olive oil foots are properly classified on the free list under Paragraph 1632 as unfit for food. This ruling will in all probability be retro-active.

Oil Trade Notes

The annual business meeting of the Oil Trades Association of New York was held Tuesday evening, March 13, at the Hotel Commodore.

Exports of linseed oil during December amounted to 210,000 pounds, valued at \$26,922. Largest shipments were to Cuba, Mexico, Colombia and Venezuela.

Frederick Bennett Randall died at his home in Buffalo on March 3, at the age of forty-eight years. He was in the employ of Mann Brothers Co., linseed oil, for the last thirty years.

W. P. Talbot, president of Benjamin Moore & Co., New York paint dealers, who died Feb. 18, left his entire estate, valued at \$1,500,000, to personal friends and employees. The will was probated last week in New York.

The New York and New Jersey Varnish Plant Managers' Association and the New York Paint Superintendents' Association will hold a joint meeting Tuesday, March 20, at which time an amalgamation of the two clubs will take place.

The total yield of India's 1922-23 sesame crop is estimated at 428,000 tons. The area under cultivation is reported to be 4,847,000 acres as compared with 4,529,000 acres last year. These estimates fall short of last year's estimates by 17 and 12 per cent, respectively.

The American Oil Chemists Society will hold its 14th annual meeting at Hot Springs, Ark., April 30th and May 1st this year, according to an announcement mailed to the trade by the secretary-treasurer, Thomas B. Caldwell. Headquarters will be at the Eastman Hotel.

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, page 676

POTASH PERMANGANATE FIRMER ON SPOT

German Situation Coupled With Active Spot Market Sends Prices Higher—Cream Tartar Showing Stronger Tendencies—Quicksilver Higher In Firm Market—Salicylates Firm but Makers Still Disagree as to Price—Antipyrine Up

PRICE CHANGES IN NEW YORK (Stocks in First Hands) Advanced

Antipyrine, 15c lb. Cream Tartar, imp., 3/4c lb.
Antipyrine, 15c lb. Potassium Permanganate, 1c lb.

Declined

Formaldehyde, resale, 3/4c lb.
Thymol, 25c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$3.35	\$3.35	\$3.35	\$3.33	\$2.00	\$2.20
Acid Citric, Import. ....	.48 1/2	.48 1/2	.48 1/2	.43	1.25	.45
Caffeine Alkaloid	3.75	3.75	3.75	4.00	18.00	3.65
Calomel, American	1.25	1.25	1.25	.82	3.43	.90
Camphor, Jap., ref. ....	.91	.91	.86	.92	3.55	.41
Iodine, Resublimed	4.55	4.55	4.50	3.80	5.00	3.75
Menthol	8.25	8.20	8.00	5.25	13.50	3.00
Morphine Sulfate	5.35	5.35	5.35	4.80	12.80	4.50
Potassium Bromide, Cryst. ....	.26	.26	.26	.19	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.59 1/2	.90	.25
Sodium Salicylate .....	.52	.52	.47	.30	4.25	.27
Strychnine Sulfate .....	.84	.84	.84	1.05	2.05	.50
Average	2.24	2.24	2.21	1.88	5.92	1.56

Values continue steady and the demand for medicinal chemicals is holding up. The situation in the Ruhr valley is not seriously affecting the market as a whole, although firmer tendencies along a few lines are noted. Potash permanganate stands out in this respect and is again higher on spot. It is reported that rather large shipments of menthol are due in New York within the next few weeks. Quicksilver is softer, as stocks are moving slowly. The salicylic market continues upset as phenol is maintaining its high position. Wood chemicals are easier and sales have fallen off somewhat. Resale formaldehyde is cheaper. Importers are stronger on cream tartar. Antipyrine and amidopyrine are developing firmer tendencies. Distributors offer carbolic acid in a small way only.

Acetanilid—Makers want 35c@38c for U.S.P. goods. Resellers quote 34c@35c but can offer in limited quantities only. Technical 27c@30c lb. Selling in a routine way.

Acid Acetylsalicylic—First hands continue at odds as to price. One manufacturer quotes \$1.10 and the other will do \$1.05. Owing to the strength of the phenol market resellers are pulling in their offerings and have advanced prices. Best in outside hands now 95c lb.

Acid Carbolic—Distributors' schedule is under market figure for material in original drums. Only small quantities are being sold, however, and then to regular customers. Price based on 42c lb. for 110 lb. tins. Unless shipment market weakens or more American material is produced distributors' quotations must again go higher.

Acid Citric—Fair demand reported. American makers selling most of the material at 49c lb. on crystals and 50c on powder. Small quantities of imported article offered inside at 48 1/2c.

Acid Tartaric—Rather dull at 30 1/2c@31c for imported and 32c for domestic.

Adeps Lanae—Continues active at 21c@23c for hydrous and 23c@24c for anhydrous. Makers report being sold well up to production capacities.

Aloin—Firmer owing to the constantly increasing price of Curacao aloes. Quoted at 85c@90c lb. as to quantity.

Amidopyrine—It is difficult to find two sellers asking the same price. One holder will go as low as \$4.50 but others have \$4.75 and \$5.00. as inside figures. Stocks are gradually getting smaller and are being controlled more firmly.

Antipyrine—Best now \$2.75 inside as low priced goods have been taken out of market. Ranges to \$3.00 as to quantity.

Alkaloids—In spite of the recent general reductions on the more important alkaloids buyers appear active in taking on stocks. For a short time sales dropped off but the opinion that the cuts were only temporary soon took hold and consumers are taking advantage of the low quotations.

Camphor—Jap slabs selling in routine way at 91c@93c lb. American refiners quote bulk gum at 96c unchanged. Market is quite in all quarters.

Cream Tartar—Imported material has advanced to 24c lb. inside on strength of unsettled foreign situation and slightly better spot demand. Some sellers will do no better than 24 1/2c. Ranges to 25c as to quantity and holder. Domestic product 26 1/2c lb.

Formaldehyde—Interest has dropped off somewhat and market is developing easier tendencies. Resellers will do 15c lb., inside, on spot barrels. Makers continue to quote carlots at 16c and less at 16 1/2c, either spot or works.

Glycerin—Sales of dynamite reported down to 17c. C. P. is holding well at 18 1/2c in drums and 20c in cans. Consumers are taking stocks on a hand-to-mouth basis, however, anticipating the declining movement usually noticeable at this time of the year. Saponification well out of market. Quoted nominally at 13 1/2c. Soap lye 12c.

Hexamethylene—There are importers who will still do 75c lb. Ranges to 85c as to quantity and seller. American makers name 95c unchanged.

Menthol—It is reported that 275 cases are expected at New York within the next two or three weeks, of which some are consigned to other than the principal factor. The usual period of price shading may take place unless the material is sold before it arrives. Spot market back to \$8.25 on cases and \$8.40@8.50 on less. Buying of small quantities continues to be the rule among consumers in need of stocks.

Mercury—A firmer spot market at \$70.00 per flask with some sellers refusing to quote on the strength of a rise in London prices to £12 early this week, was noted. Buying here light. Position uncertain awaiting more definite developments abroad.

Oil Cod Liver—Stronger in some quarters but down to \$21.75 is still possible. Quoted up to \$23.50 as to brand and quantity. Reports on new catch are more promising. Norwegian market continues firm.

Potash Permanganate—Has advanced to 20c@21c lb. as shipment from Germany has been practically cut off.

Sellers report active interest among consumers. Still higher figures predicted unless Ruhr situation is ironed out in near future.

Podophyllin—Makers ask \$6.00@\$6.50 but material is available in outside hands at \$5.50.

Salicylates—Strength in phenol continues to dominate the salicylate market. If speculators are able to hold the market up in England makers of salicylates may be forced to increase their prices. Soda quoted at 52c@57c as to maker. Methyl sal 55c@57c as to quantity. Resellers are withdrawing their offerings generally, awaiting settlement of the phenol situation.

Thymol—Offered cheaper at \$3.00@\$3.25.

Fine Chemical Notes

M. Gaston Liebert, Consul General of France, will speak on "The Ruhr Question," at the Saturday luncheon of the Chemists' Club, March 17.

Permission to manufacture medical products in Russia is only granted after the local economic council has considered the proposition thoroughly and has had time to impose numerous special restrictions on the production and sale of material.

Stormy weather has hindered cod fishing in Lofoten, according to a report from F. W. Mead & Co., but since the season is young no ill effects are expected. The total catch to date is reported quite satisfactory. Prices are noted as slightly lower, as the market is rather quiet.

Joseph A. Ball, president of the Sugar Export Corp., died on Thursday night, March 8. Mr. Ball, who was 69 years old, had been in the sugar business for more than 42 years and for many years had been a prominent figure in the affairs of the American and Franklin Sugar Refining Cos.

Exhibits of products by manufacturers at the meeting of the American Chemical Society in New Haven from April 2 to 7, inclusive, will be permitted this year in the Sheffield Chemical Laboratory at Yale University. Industrial exhibit space is being sold by the society, a twenty-foot bench costing a hundred dollars. Prof. H. W. Foote of New Haven, Conn., has the exhibition in charge.

Statistics by the Bureau of Labor Statistics of the Department of Labor, containing reports from 74 chemical establishments, show that there were 15,846 persons employed in December, 1922, increasing to 16,362 in January, 1923, which was an increase of 3.3 per cent. Payrolls in these establishments in December, 1922, amounted to \$390,395, decreasing in January, 1923, to \$387,762, or .7 per cent.

The American Medical Products Co., Inc., 543 Broadway, New York, proprietary manufacturers, has acquired the Toledo Pharmacal Co., Toledo, O., and the Toledo Pharmacal Sales Co., Cleveland, which will enable the concern to serve its middle western customers to better advantage. At the annual stockholders' meeting held Feb. 26, a 56 per cent business increase for 1922 was reported. New officers elected at the meeting are Joseph C. Tolman, president and general manager, J. J. Possehl, vice-president, and F. J. MacRae, secretary-treasurer. Among the directors is Thomas H. Potts, formerly vice-president and secretary, a well known figure in the drug trade throughout the country.

QUICKSILVER RISES SHARPLY ABROAD

Cables from London on Tuesday named a sharp advance in quicksilver prices there and for shipment to the United States. The London market went up from £10 10s a flask on Monday to £12 Tuesday morning. New York importers immediately moved up prices from \$68.00 to \$75.50 a flask for shipment, duty paid. Factors in New York were uncertain as to the reasons for the sharp move. Speculation in London was hazarded as a view of the real cause, although it was indicated that the reasons given would point to a war scare somewhere in Europe. During the time of the recent Turkish uncertainty when breaking out of hostilities between the Allies and Kemal looked probable, a flurry in the London quicksilver market was noted. On the other hand, the possibility of an agreement between the Italian and Spanish mines is always likely of further developments.

PALM OIL PRICES ARE FIRM

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Marseilles, March 3.—The palm oil and glycerin market is firm and prices are maintained. Quotations per 100 kilos are:

	Francs
Palm Oil, Lagos	36
Palm Oil, Dahomey	265@270
Palm Oil, Congo, refined	Nominal
Palm Oil, Grand Bassam	245@250
Glycerin, from lye 40 per cent	130
Glycerin, from lye 80 per cent	370
Glycerin, saponification	405
Olein, distillation	305
Olein, bleached	350
Olein, saponification	375
Stearin, saponification	375
Stearin, distillation	325

The will of John J. Gilbert, head of Gilbert Bros. & Co., wholesale druggists at 312 West Lombard street, Baltimore, was filed in the Orphans' Court on Feb. 28. It contained a number of bequests to churches and other charitable and religious or philanthropic institutions, and \$100,000 to his son, John J. Gilbert, Jr., to whom were also left the personal effects of the testator. To a brother, William E. Gilbert, of Relay, Md., he left \$25,000. The bond given indicates that the personal estate amounts to not less than \$100,000.

An order has been issued transferring the administration of the Federal Narcotics Control Board to the Narcotic Division of the Prohibition Unit. Congress failed to appropriate any money for continuing the work of the board. The embargo on the importation of narcotics, which has been under way since the questionnaire was sent out some weeks ago, is continued, and the transfer of the administrative work of the board will delay the withdrawal of the embargo.

When four members of the Edwards Trading Co., Washington, D. C., were arraigned for selling narcotics without a license, the attorneys for the prisoners claimed that the narcotics were purchased at public or private Government sales. The prisoners were held on charges of conspiring to defraud the Government and for violation of the Harrison Narcotic Act. They were selling without a license.

Harry J. Ahles, western representative of Arthur Stallman & Co., New York, has moved his offices to No. 350 N. Clark st., Chicago. Telephone Central 0969. Mr. Ahles also represents Ungerer & Co., of New York.

The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 691

JAMAICA GINGER CONTINUES TO ADVANCE

Crop Said To Be Smaller Than Shortage Prediction
Figures—Curacao Aloes Up Again—Spanish Anise
Active And Higher—Sharp Break In Arabic Sorts—
Ergot And Henna Lower—Sarsaparilla Reacts.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Agar Agar, 10c lb.	Cardamom Seed, Decort., 5c lb.	Damiana Lvs., 1c lb.	
Aloes Curacao, 1/2c lb.	Colocynth Pulp, 10c lb.	Ergot, 2c lb.	
Aniseed, Span., 1c lb.	Elm Bark, Powd., 1c lb.	Henna Lvs., 1c lb.	
Balsam Oregon Fir, 25c gal.	Ginger, Jamaica, 3/4c lb.	Lady Slipper Rt., 10c lb.	
Bayberry Wax, 5c lb.	Sarsaparilla Rt. Mex., 4c lb.	Myrrh Gum, 5c lb.	
Caraway Seed, 1/2c lb.	Saffron, Span., \$1 lb.	Olibanum Tears, 2c lb.	
		Quince Seed, 5c lb.	
Arabic Gum, Amb. Sts., 5c lb.			
Arnica Flowers, 1/2c lb.			
Belladonna Rt., 1c lb.			
Boldo Lvs., 2c lb.			
Coriander Seed, Bich., 2c lb.			
Cuttlefish Bone, Trieste, 2c lb.			

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$4.00	\$4.00	\$4.00	\$2.22	\$5.90	\$1.12
Buchu Leaves, Short	.95	.95	1.05	1.08	4.00	.85
Cantharides, Russian	1.75	1.75	2.00	2.25	9.00	2.10
Cocculus Indicus	.03 1/2	.03 1/2	.03 1/2	.06 1/2	.85	.03
Ergot, Spanish	.53	.55	.60	1.03	4.50	.54
Insect Powder, pure	.75	.75	.75	.42	1.00	.28
Ipecac, Cartagena, pwd.	2.00	2.00	1.75	1.60	4.50	1.35
Nux Vomica	.07	.07	.07	.10	.14 1/2	.07
Opium, gum	6.75	6.75	6.75	5.50	30.00	5.00
Rhubarb Root, H. D.	.40	.40	.45	.50	1.75	.15
Tragacanth, No. 1, ribbon	1.70	1.70	1.75	2.50	6.00	1.50
Wild Cherry Bk., thin nat.	.09	.09	.08	.09	.21	.07
Average	1.35	1.36	1.36	1.35	5.28	1.00

In some items, the trade is already beginning to discount new crop arrivals which will begin to come on the market in about two months. Price movements are mixed, but an eye to the future is apparent in the attempts to move spot goods now before new collections get too close. As a whole, there are few overstocks, but the usual seasonal reaction with the approach of new crop time, is inevitable. In the case of scarce drugs, prices are generally maintained and apparently acting independently of the market as a whole. Buyers continue to shun large purchases except for shipment and new crop goods if and when shipped. Spot stocks are not in demand, the local trade experiencing a quiet week. Curacao aloes is very scarce and higher. Spanish aniseed has become active and moved up. Jamaica ginger continues to climb rapidly. Mexican sarsaparilla root has reacted upward. A sharp cut has been made in spot gum arabic sorts. Ergot is lower. Henna leaves are slightly easier. Quince seed is down. Arnica flowers, cuttlefish bone, and olibanum tears are lower.

Agar Agar—Practically nominal on spot with No. 1 up 10c lb. to \$1.80 lb. bales. Range down to \$1.50 for No. 3.

Aloes—Curacao scarcer and little for shipment from source. Spot price up to 8 1/2c and 9c lb. cases as to seller. Powdered 13c. Cape aloes 7 1/2c.

Aniseed—Spanish has become active and prices are up to 26c and 27c lb. spot as to seller. Holdings small here. Star 14 1/2c@15c.

Arabic Gum—Heavy arrivals of amber sorts broke the spot price sharply late last week down to 15 1/2c lb. spot. Some sellers asking 16c and 17c lb. Prices spot appear under pressure temporarily. Powdered 22c@25c lb.

Arnica Flowers—Still weak and selling down on slack demand. Spot bales at 11c and 11 1/2c lb. as to seller.

Arrowroot—Practically nominal here at 14c lb. To arrive within a week or so, 12c bbls. St. Vincent's.

Balsams—Oregon fir balsam still very scarce. Sales this week in small way at \$3.00 gal. spot. Goods en route for this market from West. Canada balsam also scarce and higher. One lot \$11.00 gal. Range to \$12.00. Peru balsam easier, but unchanged in price at \$1.90 lb. Tolu very firm at 80c lb.

Belladonna Root—Easier and quoted more freely at 12c lb. spot. Leaves 17c unchanged.

Buchu Leaves—Some big consumers have covered and goods are afloat for this market. Others not interested in spot stocks, but waiting to see position of spot market upon actual arrivals from Cape Town. No buying of spot except in small lots. Bales named 95c; less \$1.00 lb. To arrive about 85c duty paid can be done.

Caraway Seed—Less selling pressure has brought upward reaction in prices and spot is now inside at 29c lb. for good Dutch.

Cardamom Seed—Decorticated sold this week \$1.15 spot. Quoted to \$1.25. Some green offering spot at \$1.05@1.10 lb. Bleached heard all the way from \$1.10 up to \$1.70 lb. All very strong and well held.

Cascara Sagrada—Looks to higher prices. Spot sellers at 13 1/2c have moved to 14c lb. for 1922 peel. Stocks on both Coast and spot are well below normal, but it takes about two years for a cascara shortage to actually hit the consumer unless the latter buys new bark and ages himself. Last two peels have been about fifty per cent short, and judging from the labor situation this year on the Coast, 1923 peel will also be short, or high priced.

Chamomile Flowers—Spot quiet and dull at 17c up to 19c lb. spot bales and cases. Demand quiet.

Colocynth Pulp—Price has been moved up to 55c lb. spot on smaller stocks and higher cost to import.

Coriander Seed—Bleached seed are lower and offered more freely on spot at 13 1/2c lb.

Cuttlefish Bone—Trieste straps have been reduced to 17c lb. spot. Stocks are quite large here. Jewelers' small 35c up and large 55c up unchanged.

Damiana Leaves—Have softened after recent rise and are now named at 11c and easier.

Elm Bark—Bundles uncertain with little buying as new crop comes nearer. Prices 25c and 26c lb. as to seller. Powdered bark firmer at 15c@16c lb.

Ergot—Weak and lower. Demand is stagnant, but at present prices looks like a good buy. Sales in the trade last week at an even half dollar. In three to five bag lots sold at 53c lb. Some sellers still asking 60c firm for good Spanish.

Fenugreek Seed—Scarce and higher. Some holders not quoting. Sales reported spot at 8c lb.

Gingers—Jamaica higher and still rising. Buyers have been active. Late crop figures smaller than first estimates which predicted a short yield this year. London has bought most of available high grade root. Spot new crop grinding 35c up. Fancy bold 40c up.

Bleached 43c@44c. All other grades strong, African 15c, Cochin lemon or ABC 15½c@16c.

Henna Leaves—Has eased down to 16c lb. spot bales. Small sales reported at 17c late last week. Demand quiet.

Insect Powder—Offers at 70c spot, but main holders quote 75c lb. for pure. Demand confined to smaller quantities from jobbers. Contract season is over.

Lycopodium—Buying has been better and some sellers have advanced prices. Offers still reported at 40c lb. spot, but for large lots. Now quoted more generally at 42c@43c lb. in 88 lb. packets.

Myrrh Gum—Easier spot. Sorts cases at 38c@40c lb. Selected goods at 40c to 45c lb.

Olibanum Gum—All white tears lower at 21c lb spot. Mixed at 13c lb. Sorts 10c.

Quince Seed—New offers at further drop to \$1.50 lb. as against \$1.55 last week on spot.

Rhubarb Root—Whole cases 40c lb. generally named spot. Powdered at 46c and possibly less on firm business. Demand quiet.

Saffron—Spanish practically nominal spot at \$46.00 @ \$47.00 lb.

Sarsaparilla Root—Mexican reacted upward last week and sales were made at 26c lb. spot as against 22c previously. Quotations heard this week of 28c and 30c lb. spot. Cost to import 26c. Honduras quiet at 55c lb.

Sassafras Bark—Selected and sifted at 28c lb. spot fine quality. Not sifted, good quality 22c@23c lb.

Senega Root—Quiet with little demand at 74c lb spot.

Wahoo Bark—Offers spot at \$1.00 and \$1.10 lb. for bark of root. Still in small supply.

MEXICAN VANILLA PRICES ADVANCE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Vera Cruz, Mexico, March 3.—The vanilla beans of this year's crop are all picked and in the hands of the curers. With the exception of a few thousand pounds, there is none left of the new crop for sale. Curers are in no hurry to sell and are asking \$8 per pound. The high price is due to the demand in the United States. The vanilla plantations in the Vera Cruz district are small and owned by Indians. The gathering of the crop begins in October and continues until February. In recent years the crop has been prematurely harvested in October and November. As a result the beans weigh less per 1,000 than they would if left until fully matured. Although there is a Government decree instructing the local authorities to prevent the early cutting of the unripe beans, it has never been enforced.

The quality of this year's crop is excellent, due to the favorable weather conditions, curers having been able to expose the beans to the sun almost daily. The rains during the last few months were at night or early in the morning. Crops on the older plantations will be small, as the flowers fell off without bearing. The Mexican vanilla beans are controlled by a very few firms and it is difficult to predict the price. The few thousand pounds held by the curers will not be sold for less than \$8 a pound. Owing to the short crop, it is reasonable to assume that prices will be high during the present season.

Jonas L. Girth of the Amecousema American Trading House, 25 Rue St. Augustin, Paris, France, packers of cuttle fish bone, will sail for New York, on the Majestic, on March 21, for a business trip. During April he will be at 10 West Fordham Road, Bronx.

NEW BILLS HAMPER DRUG MAKERS

R. Lincoln McNeil, chairman of the Legislative Committee of the American Pharmaceutical Manufacturers' Association, warns the trade concerning bills in state legislatures which need attention, either with a view to having important amendments made to them, or for radical changes in the interest of manufacturers and wholesalers. Among these measures are the following:

New York Assembly Bill No. 369 re-enacts the old state narcotic law, requiring special state order forms, etc. There is no need for such legislation and we suggest that members instruct their New York salesmen to request local dealers and physicians to oppose it. We do not object to supplemental addict legislation.

Arkansas Senate Bill No. 181 proposes a state narcotic law. It is defective in that it does not permit sales to either the drug trade or medical profession. Members traveling men in Arkansas should direct the attention of local dealers and physicians to this bill and its fault.

Arkansas Senate Bill No. 101 prohibits the sale of patent medicines unless labeled to declare the cost price and contents.

Wisconsin Senate Bill No. 7 amends the state insecticide and fungicide law to require all insecticides and fungicides to be labeled to indicate the quantity of the contents and to declare the fact that the stated inert ingredients are inert.

South Carolina House Bill No. 40 has been amended to prohibit the sale, prescribing and administering, except by licensed druggists or physicians, dentists, trained nurses, veterinary surgeons and hospitals, of medicinal coal-tar products, opium and its derivatives, cocaine and its derivatives, strychnine and its salts, salts of mercury, calomel excepted, chloral hydrate, medicinal salts of potash, ether, chloroform, belladonna, aloin, henbane and cannabis indica. This bill is not adverse to our interests if it applies to retail sales, but it is not so limited. We suggest that members communicate with their salesmen and customers in South Carolina and secure this amendatory limitation.

Indiana House Bill No. 474 declares it unlawful to purchase or sell any of the derivatives of coal-tar known as aspirin, veronal, sulfonal or trianal except upon a physician's written prescription. The prescription must contain the name and address of the physician, the quantity of the article, the name of the person for whom prescribed, the date and the directions for the use. No exception is made in the case of sales at wholesale.

DRUG MANUFACTURERS MEET IN APRIL

The twelfth annual meeting of the American Drug Manufacturers' Association will be held at the Hotel Biltmore, New York, April 16 to 19, inclusive. The Scientific Section will hold a morning and afternoon session on Monday, April 16, and a morning session on Tuesday, April 17. The meeting of the Pharmaceutical Section is scheduled for Monday, April 16, at 2 P. M., and the Crude Drug Section will meet the same afternoon at 4 o'clock. A meeting of the Biological Section will be held Tuesday, April 17, at 10:30 A. M.

The general sessions of the association will begin on the afternoon of Tuesday, April 17, at 2 o'clock. The business sessions will be devoted to practical discussions of important trade problems, the alcohol regulations, the narcotic situation, transportation difficulties and foreign trade. The association will be called upon for an expression on the Proposed Model Narcotic Act submitted by the National Drug Trade Conference to constituent members for action.

A banquet in the music room of the Biltmore, Thursday evening, April 19, will close the meeting.

S. B. Penick & Co., New York, crude drug millers and dealers, have issued another edition of their special price list and crude drug manual under date of March 5th. In discussing the market situation in the manual, they say: "For the next four months, prices will continue to advance on those articles which are actually scarce and there will be very few declines, even among the well supplied articles. Inasmuch as botanical drugs are, generally speaking, produced from but one crop a year and no crops are to be had until summer and fall, no occasion exists for a decline to be expected."

The engagement of John J. Schieffelin, son of William J. Schieffelin of New York, to Miss Eleanor Curtis Beggs, of Pittsburgh, has been announced. The date of the wedding has not been fixed.

The Essential Oil Market

Current Spot Quotations of Essential Oils, page 693; Aromatic Chemicals, page 694

PRICES STEADY IN FAIRLY ACTIVE MARKET

Oil Cassia Slightly Higher on Spot Owing To Strength in the Orient—Citronella Developing Easier Tendencies—Anise Offered Cheaper—Clove Oil Lower In Outside Hands—Bergamot Softer.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced			Declined		
	Oil Bergamot, 10c lb.	Oil Camphor, white, 1½c lb.	Oil Citronella, 1c lb.	Oil Petit Grain, 5c lb.		
Oil Cardamom, \$3 lb.						
Oil Cassia, 5c lb.						
Oil Anise, 2c lb.						
Oil Cloves, 5c lb.						
Trend of the Market						
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$2.50	\$2.60	\$3.00	\$5.00	\$7.00	\$5.00
Oil Citronella, Ceylon	.70	.72	.57	.54	.92	.60
Oil Cloves	1.90	1.95	1.70	2.15	3.70	1.40
Oil Lemon	.70	.70	.65	.70	1.70	2.00
Oil Peppermint, Nat.	2.75	2.75	3.00	1.70	9.00	2.25
Oil Sandalwood, E. I.	7.75	7.75	7.00	7.25	13.00	5.25
Oil Sassafras, Artif.	.42	.42	.42	.53	1.00	.26
Benzaldehyde, U.S.P.	1.40	1.40	1.40	1.25	5.15	1.50
Coumarin	4.00	4.00	4.00	3.00	31.00	3.10
Methyl Salicylate, Cans.	.57	.57	.57	.35	1.00	.90
Vanillin	.41	.41	.43	.53	.95	.29
Average	2.12	2.13	2.07	2.12	6.83	2.05

New developments were few in the essential oil and aromatic chemical market. Prices are holding well and sellers report doing a reasonable amount of business. The situation is more nearly normal at the present time than for some months past. Citronella appears to be weakening to some extent. Clove oil is being held well by distillers, but there are holders willing to sell for less than distillers' figures. Low priced anise is offered and cheaper supplies of white camphor oil are available. Cardamom is rising in sympathy with seed prices. Lemon and bergamot are soft, with bergamot quoted lower, but orange is held firmly. Oil petit grain is off slightly. The vanillin market continues upset by the prevalence of various discounts on the base price. Bourbon geranium is being held high for shipment.

Essential Oils

Oil Almond—Sweet oil is offered down to 34c in some quarters. Generally held from 35c to 40c as to quantity, brand and seller. Bitter oil \$3.75@\$4.00 unchanged.

Oil Anise—Cheaper supplies are available on spot. Technical quoted at 45c@50c/lb. and U.S.P. at 50c@55c/lb. Considerable material is on hand and stocks are moving slowly.

Oil Bergamot—Can be had at \$2.50/lb. inside. Up to \$2.75 is asked as to quantity and seller. Shippers showing signs of weakness and spot holdings are large. Demand routine.

Oil Camphor—Heavy imports brought the price of Japanese white oil down to 13c@13½c/lb. in drums and 13½c@15c/lb. in cases. Heavy oil 11½c@12 unchanged.

Oil Cardamom—Is up to \$18.00@\$20.00/lb. in sympathy with sharply higher seed prices.

Oil Cassia—Firmed to \$2.15@\$2.25/lb. on spot. Oriental market holding and high shipment prices are asked.

Oil Citronella—Ceylon oil is showing easier tenden-

cies. Can be had at 70c@72c in drums and 72c@74c in cans. Holders abroad are lowering their figures in hopes of again starting buying. Consumers in this country are not particularly active. Java goods 85c in drums and 87½c in cans.

Oil Cloves—Distillers ask \$1.95 inside but material is available in outside hands at \$1.90@\$2.00 in cans. Bottles \$2.00@\$2.10. As low as \$1.85 has been quoted on large quantities.

Oil Eucalyptus—Offered at 45c in cases and drums, some sellers will do no less than 47c in cases. Demand routine.

Oil Geranium—Shippers of Bourbon geranium are asking higher than current spot figures for futures. Quoted here at \$6.50@\$6.75. Lower qualities offered down to \$5.50.

Oil Hemlock—Virtually out of the market. Such quantities as are available are held at \$1.65/lb.

Oil Lemon—Generally quoted at 70c@80c/lb. but on large quantities less might be done. Has weakened abroad and large stocks available on spot have caused market to soften considerably.

Oil Orange—While lemon and bergamot have softened orange oil has retained its firm position. Italian goods named at \$2.60@\$2.75. West Indian article \$2.40@\$2.55. Bitter oil practically nominal at \$2.10@\$2.20.

Oil Peppermint—Natural quoted at \$2.75@\$2.85. U. S. P. offered at \$3.00@\$3.10. Consumers rather inactive and city sellers are taking only small amounts of oil from the country, which shows a tendency to weaken gradually.

Oil Petit Grain—South American oil down to \$1.55 @\$1.65 in competition. French product unchanged at \$6.50@\$7.00/lb.

Oil Sandalwood—Holding firm at \$7.75@\$8.00/lb. Some houses want \$8.00 inside. Shipment market continues a strong feature. Spot sales reported good.

Oil Wormseed—Asking \$4.25 to \$4.50/lb. on spot. No one seems to have a great deal of material and offers from the country are limited, but buyers are not particularly active.

Oil Wormwood—Reported that cases can be had as low as \$6.00 per pound. Tins held at \$6.50@\$7.00. Market slow and stocks comparatively heavy.

Aromatic Chemicals

Anisic Aldehyde—American producers will do \$3.40 inside on good material. Ranges to \$4.00 as to quantity and seller.

Benzyl Benzoate—Fair demand at \$1.50@\$1.60 for ordinary and \$1.65@\$1.75 for medicinal FCC.

Coumarin—Makers' base price continues to be \$4.00. Ranges to \$4.25 as to quantity. Spot stocks have been replenished and it would not be surprising to see lower priced resale material in the market.

Diethyl Phthalate—Selling in routine way at 65c@75c/lb., following last week's reduction in price.

Heliotropin—Importers and American manufacturers continue to offer goods at low prices in competition. Reported good quality material, of both foreign and domestic manufacture, can be had down to \$1.75/lb.

Asking up to \$2.00 and \$2.75 on American and imported products respectively.

Methyl Salicylate—Makers want 55c in drums and 57c in cans. Resellers will do as low as 51c and appear to control sizeable quantities of material. If phenol maintains its present high position an advance in methyl salicylate prices would not be surprising, but it is believed that the sensational rise in that article is only speculative and will not hold up.

Terpineol—Sellers report demand well up to supply. C. P. in cans at 58c@60c, drums 53c@55c. A small quantity of imported material is left and holders are asking \$1.00lb.

Vanillin—Manufacturers base price is still 41c@41½c on 400 oz. cans and 41½c@42½c on 16 and 80 oz. cans, but varied discounts, as to buyer and seller, are making the actual selling prices much lower.

Essential Oil Notes

During the spring the Beach Soap Co., Lawrence, Mass., will erect a large modern factory.

The Antoine Chiris Co., New York, has sent its representative, M. J. Seeley, on a six weeks' trip to the Pacific Coast.

Marey and Co., 35 Rue Lafayette, announce the appointment of A. L. Van Ameringen and Co., 15 Irving Place, as their New York agents.

Heine and Co., Leipzig, Germany, have sent their representative, Hans Erich Steche, to America to report on conditions in the soap and perfumery industry.

James R. Glass, U. S. Commissioner for the Northern District of Illinois, spoke at the weekly meeting of the Chicago Perfumery, Soap and Extract Association, on March 14.

After April 1, Eli Lilly & Co., wholesale druggists, Indianapolis, Ind., announce that their New York Branch will occupy their recently purchased six-story building at Spring and Crosby sts.

The engagement of Joseph Baird Magnus, treasurer of Magnus, Mabee & Reynard, Inc., to Miss Norma Inez Werner, daughter of Mr. and Mrs. Luther M. Werner, Greenwich, Conn., is announced.

The Customs Board has handed down reappraisements correcting the duty on perfumery from the Parfumerie Roger & Gallet, Paris, and on white zinc powder from M.M. Eug. Chabaury & Cie., Marseilles.

Egyptian imports of perfumery and cosmetics were valued at \$444,058 last year. Of this amount \$15,813 worth came from the United States. France supplied most of Egypt's toilet goods, exports from that country being valued at \$295,548.

Orders of V. Vivaudou, Inc., during February amounted to \$1,381,468, compared with \$518,236 in the second month of 1922. Net earnings in January were \$129,000 after deductions for advertising reserve, or at the annual rate of nearly \$5 a share on the company's 300,000 shares of capital stock.

Imports of toilet soaps into Egypt during the first ten months of 1922 were valued at \$110,093 as compared with a total valuation of \$131,664 year before last. Of last year's receipts American manufacturers supplied only \$5,788 worth. The United Kingdom came first with total sales of \$60,479 and Germany was second with \$18,107.

ITALIAN LEMON OIL PRICES ADVANCE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Milan, Italy, March 3.—The market for lemon oil showed a tendency to improve during the month. The fluctuations have lessened. All grades are firmer, due to the more active demand from abroad. The new production oil, which was quoted at lire 6.25 per Sicilian pound at the beginning of the month, has progressively advanced to lire 6.75 and at the close was quoted at lire 6.80. The tendency of sellers to give the oil only to highest bidders has become more general. During the first ten days the demand was good for the old production oil, as well as for the new production. The old stock was quoted at lire 5.60 to 5.70 per pound and the new product at lire 6.50 per pound. Later, good business was done at lire 6.00 for new oil. Old oil of good quality was quoted at lire 6.00 also. This improvement of the market has increased the price of the new production oil to lire 7.00, but at the close of the month the price dropped to lire 6.80. The exports from Messina reached 50,000 kilos last month.

The sweet orange oil market also has improved. The price has advanced from lire 22 to lire 24, with some fluctuations, reaching lire 25 at the close of the month. During the first twenty days of the month little business was done, but towards the end of the month the market improved. Sellers kept the prices at lire 24.50, while buyers offered 23. It is said that good business was done at lire 24. The exports from Messina exceeded 10,000 kilos last month.

The bitter orange oil market has been rather weak. The price dropped from lire 23 to lire 21 per pound. In the first twenty days of the month some business was done. In the last ten days, on the contrary, transactions were light. The exports from Messina were only 150 kilos.

The bergamot oil market has been very weak. The price has declined from lire 32 to lire 28.50, but advanced at the close of the month to lire 31.00. There are no large quantities of oil in reserve. Calabrian producers sell their goods at Messina at lower prices. The exports last month were 20,000 kilos.

FRENCH ESSENTIAL OILS ARE DULL

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Marseilles, March 3.—Trading in essential oils continues very quiet. Quotations per kilo are:

	Francs
Aniseed, Tonka	15
Rosewood	71
Citronella, Java	30
Citronella, Ceylon	22
Geranium, Bourbon	160@170
Clove	46@ 47
Palmarosa	142
Patchouli	200@210
Petit Grain	47@ 49
Ginger Grass	60@ 62
Vervain	29@ 30
Vetivert, Bourbon	130
Ylang Ylang Bourbon, 1st quality	110@125
Ylang Ylang, Bourbon, 2nd quality	60@ 70
Linaloe, Mexico	Nominal
Niaouli Noumea	17@ 18
Santal, Mysore	235
Cananga, Java	65

The Perfumer Publishing Co., Inc., New York, obtained a judgment of \$107.12 against Edward Hovey, last week.

The Consuming Industries

HOSIERY MILLS START SALES CAMPAIGN

A nation-wide campaign to popularize full-fashioned hosiery is to be inaugurated at a meeting of manufacturers at Philadelphia on March 29 by W. Park Moore, of the Hancock Knitting Mills. The meeting is to be held at the Manufacturers' Club. About \$1,500,000 has been subscribed. Contributions are to be paid by assessment on manufacturers' sales. Full-fashioned machinery manufacturers are also to contribute to the fund.

Following are a list of prominent manufacturers who have subscribed: Hancock Knitting Mills, Philadelphia; Van Raalte Co., New York; Holeproof Hosiery Co., Milwaukee, Wis.; Gotham Silk Hosiery Co., New York; H. C. Aberle Co., Philadelphia; Berkshire Knitting Mills, Reading, Pa.; Cadet Knitting Mills, Philadelphia; Paul Gunther, Inc., Dover, N. J.; Hayward Hosiery Co., Ipswich, Mass.; Lansdale Knitting Co., Lansdale; Merrill Hosiery Co., Hornell, N. Y.; Noe-Equol Hosiery Mills, Reading, Pa.; Thieme Hosiery Co., Fort Wayne, Ind.; Henry Brown and Sons Co., Philadelphia.

Among the chemical companies which plan to have exhibits at the Paper Industries Exposition, to be held at the Grand Central Palace, New York, the week of April 9-14, are the Mathieson Alkali Works, Electro Bleaching Gas Co., Cooper & Cooper, Inc., Pennsylvania Salt Mfg. Co., Kalbfleisch Corp., Union Sulphur Co., Paper Makers Chemical Co., Booth Chemical Co., and the Hercules Powder Co. The Salesmen's Association of the Paper Industry, which will hold its convention the week of the exposition has set aside the afternoon of Tuesday, April 10, to visit the show in a body. The New York State College of Forestry, Syracuse, expects to send several students from its pulp and paper classes to study the various exhibits.

It is reported that a number of large textile mills are considering plans for a \$25,000,000 merger. The following mills are noted as those interested: P. H. Hanes Knitting Co., \$5,750,000, Utica Knitting Co., \$5,000,000, Oneita Knitting Mills, \$1,800,000, Avalon Knitwear Co., \$700,000, Union Mills, Inc.

The J. T. O'Shea leather tannery, Peabody, Mass., recently completed but which has never been occupied, has been taken over by the Griess-Pfeger Tanning Co., 810 Sycamore st., Cincinnati, O. Machinery will be installed immediately and production of finished calfskin will be started in the near future.

Practically full time production in all divisions of the rubber manufacturing industry is evidenced in the uniformly active demand for every line of compounding ingredient and the reported outlook for still further increase in the volume of business for the spring months.

The American Woolen Co. reports net earnings of \$9,531,925 for 1922, making that year the best the company has had since 1919. After setting aside a reserve for depreciation common stock dividends amount to \$8.63 per share.

A new cotton mill will be established at Dallas, Tex., by a \$1,000,000 company, now being organized by Dallas citizens. Among those interested are W. D. Felder, S. B. Perkins, and Charles L. Sanger, Sanger Bros., Dallas.

INLAND GLASS CO. IS NOW PRODUCING

The Inland Glass Co. is a new manufacturer of illuminating glassware at Chicago, with production capacity of \$2,500,000 worth of glassware annually. The capital stock is \$750,000, preferred and paid in. Ground was broken for the new factory plant Oct. 1, 1922, and production began Feb. 19, 1923. The factory wheels started turning just four and one-half months after the first spadeful of soil was turned over.

J. B. Weaver, formerly vice-president in charge of production for the Pullman Car Co., is president of the Inland company; Noble B. Judah, vice-president; H. P. Withers, secretary-treasurer. Fred W. Stewart is factory manager and Ernest W. Fogel is superintendent in charge of glassmaking. Both Mr. Stewart and Mr. Fogel were formerly connected with the Phoenix Glass Co. The Inland Glass Co. will manufacture a complete line of illuminating glassware for domestic, store, office, factory and street lighting purposes.

New Consuming Companies

C. W. Busick Dye Corp., Wilmington, Del., \$500,000. Colonial Charter Co.

Hopewell Color & Chemical Co., Hopewell, N. J., \$50,000. To make chemicals and colors. P. M. Horn, Edward and W. H. Jones, Hopewell.

Fibre Dyeing Corp., Brooklyn, \$10,000. W. D. Siegel, S. W. Finkelstein, L. B. Mark; attorney, H. Cohen, 38 Park Row, New York.

Cellu-Waster Co., 76 Paris st., Newark, \$50,000. To make celluloid and re-claimed celluloid products, P. W. Smith, B. Waterbrook, Dean Lawrence.

Aloka Chemical Co., 5618 Parker st., Chicago, \$12,000. To make chemical specialties. M. L. Day, G. L. Williamson, S. E. Lambert.

Otto Goetz, Inc., Brooklyn, \$200,000. To make glass products. P. J. and Otto Goetz; attorney, C. Eichler, 481 Knickerbocker ave., Brooklyn.

Switch Plate Corp., Norfolk, Va., \$100,000. To make glass products. S. W. Harris, H. R. Walker, Norfolk.

Mountain State Glass Co., Mannington, W. Va., \$100,000. To make glass products. H. D. Atha, C. L. Pritchard, R. F. Alder, Mannington.

Vegatans Corp. of America, Dover, Del., \$3,000,000. To make medicines. S. R. and Victor Strauss, Joseph Winters, New York; U. S. Corporation Co., Dover.

Millbury Rubber Co., Wilmington, Del., \$3,000,000. To make tires. Corporation Trust Co. of America.

Bromo-Foam, Inc., Philadelphia, \$250,000. To make medicinal preparations. Corporation Guarantee & Trust Co., Dover, Del.

Lyons Artificial Silk Co., Philadelphia, \$1,000,000. Corporation Guarantee and Trust Co., Dover, Del.

Standard Soap Process Co., Paterson, N. J., \$1,000,000. To make soap. J. Vincent Barnett, Paterson; J. Leigh Wolf, New York.

Dunkirk Rubber Corp., Dunkirk, N. Y., \$100,000. To make rubber products. M. Weinstein, 234 Oxford ave., C. S. Conner, 205 E. Utica st., Buffalo, N. Y.

Ott Rubber Co., Dubuque, Iowa, \$300,000. To make rubber tires. J. J. and F. E. Ott, A. F. Heeb.

Reading Rubber Co., American Mechanic Bldg., Trenton, N. J., \$250,000. To make rubber tires. S. H. Bell, J. P. Stiles, F. C. Myers.

Atlas Co-operative Drug Co., Dover, Del., \$200,000. S. A. Gaffney, R. P. Schumaker, A. W. Yelter, Philadelphia; Capital Trust Co. of Delaware, Dover.

Goldman Paper and Paper Stock Co., Philadelphia, \$250,000. To make paper products. Harry Goldman, 3207 Turner st.

Camden Glass Works, Inc., Camden, N. J., \$10,000. To make glass products. Harry Rosenthal, 105 Arch st., M. V. Mason, M. V. Maguire.

King Tire & Rubber Co., Wilmington, \$1,500,000. To make rubber tires. Corporation Trust Co. of America, du Pont Bldg., Wilmington.

Hi-Power Co. of New Jersey, Inc., Hoboken, N. J., \$30,000. To make battery chemicals. J. D. and H. E. Pierson, Rudolph Schroeder, 84 Washington st.

The Foreign Markets

Imports of Drugs and Chemicals, page 695

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling).....	\$4.886	\$4.705
France (franc)	193	.060
Italy (lira)	193	.047
Germany (mark) per hundred.....	23.89	.004
Czechoslovakia (crown) per hundred.....	20.30	.298
Poland (mark) per hundred.....	23.80	.002
Japan (yen) .....	.499	.483
Spain (peseta)	193	.155
Holland (guilder) .....	.402	.395
Belgium (franc)	198	.052
Switzerland (franc)	193	.186
Sweden (crown)	268	.266
Denmark (crown)	268	.190
Argentina (peso) .....	.424	.372
Brazil (milreis) .....	.279	.113
China (Silver dollar—Hongkong) .....	.789	.547
(Tael—Shanghai, silver)	1.082	.747
(Tael—Peking, silver)	1.156	.796

BRITISH CHEMICAL FIRMS SHOW PRODUCTS

London, March 3.—The British Industries Fair was opened on Feb. 20 at the White City, London, and simultaneously in Birmingham. The exhibition was organized by the Overseas Department of the Board of Trade. Among the firms of international repute exhibiting are:

Albright & Wilson, Ltd., Oldbury, at whose booth is shown a new amorphous phosphorus of scarlet color and 100 per cent strength.

Frederick Allen & Sons, Poplar, Ltd., show a range of essential oils, lavender and peppermint distilled from plants grown on their own farms.

British Dyestuffs Corporation, Ltd., who are now responsible for the distribution of German reparation colors in this country, exhibit an extensive range of dyes and chemicals, both medicinal and technical. One of their latest products is Euflavine, a neutral acriflavine. Also specimens of the mauve crystals first made by Prof. Perkin, father of synthetic chemistry.

Brotherton & Co., Ltd., Leeds, whose senior member, Sir Charles Brotherton, will very shortly visit the United States, are conspicuously represented as makers of a line of metachrome dyes and technical chemicals embracing formosol and laundros, the former used in bleaching in fabric-color printing.

The Graesser-Monsanto Chemical Works, Ltd., a combination of American and British industry, is showing carbolic acid ice crystals.

Other leading firms among the exhibitors are May & Baker, Ltd., manufacturing chemists, London, and W. J. Bush & Co., Ltd., essential oils.

Chile exported 1,300,782 metric tons of nitrate in 1922, 1,040,782 tons in the second half of the year. In 1921 total exports were 1,193,062 tons; in 1920, 2,746,118 tons and in 1919, 803,961 tons. Production in 1922 was about 951,500 tons as compared with 1,300,000 tons in 1921 and 2,495,000 tons in 1920. There has been an appreciable reduction in stocks both in Chile and abroad.

Australia has revoked the order issued Dec. 2, 1920, which restricted the importation of calcium carbide. The order was effective Dec. 1, 1922. The original order was issued to protect the carbide works at Electra, Tas.

German aniline combine has made 10 to 25 per cent price reduction.

SALICYLATES HIGHER IN LONDON

Advances Announced on Ginger and Ipecac—Permanganate of Potash Firmer—Shellac and Cod Liver Oil Easier—Caustic Potash Strong—Salicin Lower

(Special Cable to DRUG & CHEMICAL MARKETS)

London, March 14.—More activity is apparent, this week, in the medicinal chemical and crude drug markets. Caustic potash is strong. The advance in carbolic acid has been maintained.

Higher prices are announced on salicylates, ginger and ipecac. The market is firmer for permanganate of potash and easier for shellac and cod liver oil.

Salicin is lower.

London, March 3 (By Mail)—Trade still moves within narrow limits and there is no prospect of any market improvement until export trade improves. The Government is more freely assisting merchants, and exporters in arranging credits abroad, which confirms the fact that the overseas markets are none too ready to absorb manufactures unaided. The feature of the week has been the further advance in carbolic acid crystals owing to the continued scarcity of raw material. The salicylates have been over-produced recently, or they would have advanced in price. Zanzibar cloves have further advanced and the oil has risen.

Agar agar continues firm at 6s 4d per lb but the consumption is falling off at this high price.

Cascara Sagrada is a good market at £72 10s per ton and is well held.

Cod Liver Oil—Latest mail reports show a decrease in production, but the total catch so far is still in excess of the last several seasons. Finest brands are fetching up to 98s per barrel on the spot, about the best value for "nutty" quality.

Cloves are dearer again on the week for spot and shipment. Jan.-March 1s 1d per lb, which is also spot price.

Clove Oil—The higher price of 8s 3d per lb is now quoted by our distillers.

Carbolic acid crystals have been in strong demand, notably for Japan, and it is reported that in isolated cases as much as 1s 6d per lb has been paid, but probably quoted for small quantities only, as parcels for shipment could be had for about 1s 4d per lb. The market is strong with further upward tendency.

Hexamine is very firm at 3s 9d to 3s 10d.

Oil of Bergamot is dearer at 11s 6d and wires from Italy report shortage and present shipment 12s c.i.f. Salicylic acid, 1s 6d per lb.; sodium salicylate, 2s 2d per lb.

Ergot remains firm; sound Spanish 2s per lb on spot, which is below direct shipment offers at 2s 2d per lb c.i.f.

The restricted coal supply, owing to the occupation of the Ruhr, will not influence the chemical industry quite as much as other lines because a large number of factories are using German lignite.

The Italian Government has approved plans to issue bonds against stocks of sulfur now held by the sulfur consortium. The consortium has been allowed nine years for the sale of existing supplies.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stock of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted

herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 Pounds
1 Pound (Avoirdupois)	— .454 Kilograms
1 Kilogram	—2.20 Pounds

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Chemicals

ACETANILID, tech. 150 lb bbls. .h			.27	.28
100 lb kgs. .h			.28	.30
USP 200 lb bbls. .h			.35	.38
Second Hands .h			.34	.35
Acetic Anhydride, 85% 480 lb drs. .h			.38	.38
85%, 107 lb chys. .h			.38	.38
92-95% 100 lb chys. .h			.41	.41
Acetone, CP 700 lb drs. c/l wks. .h			.22	.22
700 lb drs. l/c wks. .h			.22 1/2	.22 1/2
350 lb drs. l/c wks. .h			.22 1/2	.22 1/2
Second Hands, spot. .h			.26	.26
Acetone Oils, light, bbls. .gal			.90	.95
Heavy, bbls. .gal			.90	.95
Acetophenone, CP 1 lb bot. .h			4.00	4.25
Acetophenetidin, 150 lb bbls. .h			1.85	1.95
Acetyl Chloride, 100 lb chys. .h			.35	.36
ACID, 1, 2, 4, 250 lb bbls. .h			.80	.80
Acetic, 28%, 400 lb bbls. c/l				
wks. .h			3.17 1/2	3.17 1/2
28%, l/c wks. .h			3.42 1/2	3.42 1/2
50%, c/l wks. .h			6.55	6.55
50%, l/c wks. .h			6.80	6.80
70%, bbls. c/l wks. .h			7.94	7.94
70%, l/c wks. .h			8.19	8.19
80% com. bbls. c/l wks. .h			9.03	9.03
80% com. l/c wks. .h			9.33	9.33
80% pure bbls. c/l wks. .h			10.30	10.30
80% pure l/c wks. .h			10.55	10.55
Glacial, bbls. c/l wks. .h			12.05	12.05
Glacial, l/c wks. .h			12.30	12.30
Glacial, USP chys wks. .h			12.80	12.80
Acetylacetic, 250 lb bbls. .h			1.05	1.10
Second Hands .h			.90	.95
Anthranilic, ton lots drs. .h			.98	.98
95-98%, 100 lb drs. .h			1.00	1.10
99-100%, 100 lb drs. .h			1.00	1.30
Benzene, tech. 100 lb bbls. .h			.65	.65
Tech. ton lots bbls. .h			.60	.60
USP, 100 lb bbls. .h			.72	.77
95-98%, 100 lb drs. .h			.11 1/2	.12
Boric, crys. powd. 250 lb bbls. .h			.12	.12 1/2
Kaps, 100 lb .h			.12	.12 1/2
Bromine's, 250 lb bbls. .h			.155	.155
Butyric, 60% pure 5 lb bot. .h			.50	.60
Camphoric, USP VIII 1 lb bot. .h			5.50	5.50
Carbazole, USP crys. see also Phenol				
150 lb. .h			.42	.42
25 lb. .h			.44	.44
25 lb. tin or bot. .h			.46	.47
1 lb bot. .h			.51	.51
Liquid, USP 1 lb bot. .h			.50	.50
ACID, Carboic—(Continued)				
Crude, 25% 50 gal bbls. .gal			.31	.32
10% 50 gal bbls. .gal			.25	.26
Chloroacetic				
mono 100 lb bbls. wks. .h			.50	.50
Di, 150 lb chys wks. .h			1.00	1.00
Tri, 425 lb bbls. wks. .h			2.45	2.45
Chlorosulfonic, 1500 lb drs.				
wks. .h			.15	.16
Chromic, USP 200 lb drums. .h			.40	.40
85% Pure, 200 lb drums. .h			.35	.35
Chromotropic, 300 lb bbls. .h			1.25	1.25
Chrysophanic, see Chrysarobin				
Cinnamic, 5 lb cans. .h			3.00	3.25
CITRIC, USP crys 230 lb bbls. .h			.49	.49
Powd., USP 200 lb bbls. .h			.50	.50
Imported, crys. 112 lb kgs. .h			.48 1/2	.49
Single kgs. .h			.49 1/2	.49 1/2
Cleves, 250 lb bbls. .h			1.05	1.10
Creyllic, 95% dark dr. resale. gal			. . .	. . .
97-99% straw, drs. wks. .h			. . .	. . .
97-99% com., drs. imp. gal			1.50	1.60
97-99% deodor. drs. wks. gal			. . .	. . .
Diethylmalitturic, 10 lb lots,				
1 lb bot. .h			8.50	10.50
Formic, 75% tech. 100 lb chys. .h			.16	.18
90%, 75 lb chys. ind. .h			.16	.18
Gallie, USP 150 lb bbls. .h			.70	.75
Gamma, 225 lb bbls. wks. .h			1.80	1.90
Bbls. ton lots wks. .h			1.70	1.80
Glycerophosphoric, 35% 1 lb b. h			1.05	1.70
II 225 lb bbls. single. .h			.85	.85
Bbls. ton lots wks. .h			.80	.80
Hydroiodic, 10% USP 5 lb bot. .h			.65	.70
Hydrobromic, 45% com. 155 lb				
chys. wks. .h			.35	.40
45% com. 10 chys. wks. .h			.40	.40
40% USP 155 lb chys. wks. .h			.45	.46
10%, USP 100 lb chys. wks. .h			.11	.13
Hydrochloric, see also Acid Muriatic				
CP, USP, 110 lb chys. .h			.08	.09
HYDROFLUORIC, 30% 400 lb bbls.				
wks. .h			.07	.07
30% bbls. c/l wks. .h			.06	.06
30% 100 lb chys. wks. .h			.07	.07
48% single 100 lb chys. wks. .h			.11	.11
48% 10 chys. wks. .h			.10	.10
52% 100 lb chys. wks. .h			.12	.12
52% 10 chys. wks. .h			.11	.11
Acid, hydrofluoric—(continued)				
50% 100 lb chys. wks. .h			.14	.14
50% 300 lb drs. wks. .h			.15	.15
White Acid, 100 lb chys. wks. .h			.36	.36
White Acid, 10 chys. wks. .h			.35	.35
Hydrofluosulfic, 35% 450 lb bbls.				
wks. .h			.10	.13
Hypophosphorous, USP 30% 5				
gal. demis. .h			.95	.95
USP, 10% 5 gal. demis. .h			.85	.85
LACTIC, 22% dark 500 lb bbls. .h			.04 1/2	.05
22% light, bbls. .h			.05 1/2	.06
44% dark, bbls. .h			.09 1/2	.10
44% light, bbls. .h			.10 1/2	.12
68% bbls. .h			.18	.18
USP IX 100 lb chys. .h			.60	.70
USP VIII 100 lb chys. .h			.65	.65
Laurent's, 250 lb bbls. .h			.85	.90
Metanilic, 250 lb bbls. .h			.60	.65
Mixed, sulfuric-nitric				
Drums, wks. .h			.07 1/2	.08
Drums, wks. .h			.01	.01 1/2
Tank cars, wks. .h			.07 1/2	.08
Tank cars wks. .h			.009	.01
Molybdenic, 85% pure 1 lb bot. .h			1.75	1.85
85% pure, 100 lb kgs. .h			. . .	1.30
Monosulfonic P. Delta. 50 lb				
tins .h			. . .	2.30
MURIATIC, 30% chys. l/c				
wks. .h			1.25	1.50
Chys. c/l wks. .h			1.10	1.50
Tank cars, wks. .h			1.00	1.10
18%, 120 lb chys. .h			. . .	. . .
c/l wks. .h			1.00	1.10
Tank cars, wks. .h			.90	1.00
22%, 120 lb chys. .h			. . .	. . .
c/l wks. .h			1.75	2.00
Iron, free, 20% chys. .h			. . .	. . .
c/l wks. .h			1.25	1.35
Tank cars, wks. .h			20.00	25.00
Muriatic, CP & USP, see Acid Hydrochloric				
Naphthionic, tech. 250 lb bbls. .h			.60	.62
Refined, single bbls. .h		
Nettle & Wither's, 250 lb				
bbls. .h			1.15	1.30

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Chemicals

ACID, NITRIC, 36° 135D		
chys. wks.100D	4.75	5.00
Chys. c/l wks.100D	4.50	4.75
38° single chys. wks. ....100D	5.50	5.75
Chys. c/l wks. ....100D	5.25	5.50
42° Single chys. wks. ....100D	6.00	6.50
Chys. c/l wks. ....100D	5.75	6.00
44° Single chys. wks. ....100D	6.75	7.50
Chys. c/l wks. ....100D	6.50	7.00
C. P. chys. single wks. ....100D	...	13.00
Oxalic, 325D bbls. wks. ....D	.12½	.12¾
Bbls., NY	...	.13
Keps. 100D	.13	.13¾
Imp., 560D cks. ....D	.13	.13¾
Phenylacetic, 1D bot. ....D	3.00	4.00
Phosphoric, 50% tech. 100D chys. ....D	.08	.09
USP, 85% syrupy, 70D demis. ....D	...	.18
Phthalic, see Phthalic Anhydride		
Picramic, 300D bbls. ....D	...	.65
Pieric, 450D bbls. ....D	...	.30
Bbls. car lots wks. ....D	.20	.22
Pyrogallic, crys. 5D cans. ....D	...	1.20
Resublimed, 5D cans. ....D	1.55	1.60
Tech. powd., 200D bbls. ....D	...	.80
Salicylic, tech. 125D bbls. ....D	.42	.47
USP, 100D bbls. ....D	.45	.50
Second Hands	.38	.40
Sulfanilic, 250D bbls. ....D	.17	.20
SULFURIC, 66° 180D chys.		
le/l wks. ....100D	1.25	1.50
Chys. c/l wks. ....100D	1.00	1.25
1500D Drums, le/l		
wks. ....100D	...	1.10
Drums, c/l wks. ....100D	...	1.00
Tank cars, wks. ....net ton	14.00	16.00
60° 1500D Drums, le/l wks. ....100D	.70	.90
Drums, c/l wks. ....100D	.60	.80

Acid Sulfuric		
Tank cars, wks. ....net ton	9.00	11.00
C. P. 175D chys. ....100D	.08	.09
Oleum, 20 p.c. 1500D drums, le/l wks. ....100D	1.25	1.50
Drums, c/l wks. ....100D	1.10	1.25
Tank Cars, wks. ....net ton	17.00	18.00
Contract cars, wks. ....ton	17.00	18.00
Oleum, 40° drs le/l wks. net ton	...	35.00
Oleum, 60° drs, le/l wks net ton	...	65.00
Sulfurous, USP 6% 100D chys. D	.05	.06
4% 100D chys. ....D	.04	.05
USP, 5 gal. demis. ....D	.06	.08
Tannic, tech. 300D bbls. ....D	.40	.50
USP, powd. 200D bbls. ....D	.70	.75
USP, fluffy, 50D bbls. ....D	.75	.80
Tartaric USP cryst 300D bbls. ....D	...	.32
USP, powd. 300D bbls. ....D	...	.32
Imp. USP, 240D bbls. ....D	.30½	.31
Powd. 240D bbls. ....D	.30½	.31
Tobias, 250D bbls. ....D	1.30	1.40
Tungstic, 100D kgs. ....D	...	1.00
Acetone Alk. cryst. 1 oz. vis. oz	...	30.00
Amorphous, 1 oz. vis. ....oz	...	20.00
Adeps Lanac, hydrous 350D bbls D	.21	.23
Anhydrous, 350D bbls. ....D	.23	.24
Albumen, Egg, edible. ....D	...	.88
Technical, see Dyers Sundries		
ALCOHOL, USP 190 pf. 50 gal. bbls. ....gal		
Second Hands, bbls. USP 190 pf. ....gal	...	4.60
Export, USP 190 pf. ....gal	.37	.45
Cologne Spirit, 50 gal. bbls. gal	...	4.75
WOOD, see Methanol		
Alcohols, also in 50 gal. drums, extra and returnable.		
Amyl, see Oil Fusel		

ALCOHOL—(continued)		
Butyl, 50 gal. drums. ....D	.20	.33
Cinnamic, liquid, 1D bot. ....D	10.00	12.00
Crystallizable ....D	12.00	15.00
Isobutyl, crude 50 gal. drums. gal	...	4.40
Refined, 10D can. ....D	...	.75
Isopropyl, crude 50 gal. drs. gal	...	2.25
Refined, 50 gal. drs. ....gal	4.00	4.50
Ref'd, 91%, drs. ....gal	...	3.50
Methyl, see Alcohol, Wood		
Phenylethyl, see Phenylethylalcohol		
Propyl, nml. crd 50 gal. drms. gal	...	4.40
Refined, 10D can. ....D	...	.75
Denatured		
No. 1 Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.41	.43
50 gal. drums, extra. ....gal	.35	.37
No. 1 Special Denat. 190 Proof		
50 gal. bbls. incl. ....gal	.39	.41
50 gal. drums, extra. ....gal	.33	.35
No. 5 Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.38	.40
50 gal. drums, extra. ....gal	.32	.34
No. 6 Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.38	.41
50 gal. drums, extra. ....gal	.32	.34
In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue. For prices on specially denatured alcohols not listed above, consult any of the alcohol producers.		

ESTABLISHED 1839
CHEMICALS
ZINC
GRASSELLI
EXPLOSIVES
DYESTUFFS

ZINC OXIDE

Snow Cap Brand 5% Tomahawk Brand 35%

LITHOPONE

Manufactured by
 — THE —
Grasselli Chemical Co.
 NEW YORK CLEVELAND CHICAGO
 Albany, N. Y. (Rensselaer) Riverside Ave.
The Grasselli Chemical Co., Ltd.
 TORONTO MONTREAL

VICTOR CHEMICAL WORKS
OXALIC ACID

Phosphate of Soda
 Tri-Sodium Phosphate
 Epsom Salts
 Ammonium Phosphate
 Phosphoric and Formic Acids

VICTOR CHEMICAL WORKS
 FISHER BUILDING
CHICAGO

Chemicals

Aloln, USP 100 lb cases.....lb	.85	: .90	ALUMINUM SULFATE—(Continued)		Cont. bgs. c/l wks. E. 100 lb	...	: 1.40	AMMONIUM CHLORIDE—(Continued)		Imp. wh. 600 lb casks spot. lb	.08%	: .07
Alpha-Naphthol, tech. 300 lb bbls. lb	...	: .85			Bags, c/l wks. W. 100 lb	...	: 1.35			Gray, 600 lb casks spot. lb	.08	: .09
Refined, 300 lb bbls.....lb	...	: .75			Bbls., c/l wks. East. 100 lb	...	: 1.60			Lump, 500 lb casks spot. lb	.14	: .15
Alpha-Naphthylamine, 350 lb bbls. lb	...	: .35			Bulk, c/l cont. wks. E. 100 lb	...	: 1.35			Ichthyolate, as to brand.....lb	.75	: 4.00
Ton lots, bbls. wks.....lb	...	: .33	AMMONIUM SULFATE—(Continued)		Amidol, (see Diaminophenol)					Iodide, USP 25 lb jars.....lb	...	: 5.20
ALUM, Ammonia, lump 400 lb bbls.					Amidopyrine, 10 lb boxes.....lb	4.50	: 5.00			Lactate, 500 lb bbls.....lb	.15	: .16
wks. ....100 lb	3.50	: 3.65			1 lb cartons, 10 lb.....lb	...	: 5.08			Nitrate, tech. crys. 225 lb bbls. lb	...	: .13%
Imp., 500 lb casks.....100 lb	3.25	: 3.50			Aminocacbenzene, 110 lb kgs.....lb	...	: 1.15			CP gran. 100 lb kgs.....lb	.20	: .31
Ground, 400 lb bbls. wks. 100 lb	3.65	: 3.75	AMMONIA anhyd. 100 lb cyl. lb		Water, 28° 800 lb drs. wks. lb	...	: .07%			Oxalate, pure, 100 lb kgs.....lb	.50	: .57
Powd., 380 lb bbls. wks. 100 lb	3.90	: 4.00			Drs. c/l wks.....lb	.07	: .07%			Persulfate, 112 lb cases.....lb	.35	: .60
Chrome, 500 lb cks wks. 100 lb	5.00	: 6.00			Imp., 800 lb drs incl spot. lb	.06%	: .07			Phosphate, dibasic 200 lb bbls. lb	.54	: .60
Potash, lump 400 lb bbls.					26° 100 lb chys. lb/l wks. lb	...	: .09%			Tech., powd. 325 lb bbls.....lb	.15	: .17
wks. ....100 lb	...	: 4.50			Chys., c/l wks.....lb	...	: .09%			Salicylate, USP 100 lb kgs.....lb	.68	: .70
Bbls. c/l wks.....100 lb	...	: 4.25			20° 800 lb drs. lb/l wks. lb	...	: .06			Sulfate, bulk c/l wks.....100 lb	...	: 3.50
Cont. bbls c/l wks.....100 lb	...	: 4.25			Chys., lb/l wks.....lb	...	: .07%			200 lb single bgs c/l wks. 100 lb	...	: 3.80
Imp. 650 lb cases s.p. 100 lb	3.00	: 3.25			18° 800 lb drs. lb/l wks. lb	...	: .05%			200 lb double bags f.a.s. 100 lb	...	: 3.90
Ground, 400 lb bbls. wks. 100 lb	4.35	: 4.60			Chys., lb/l wks.....lb	...	: .07%			Sulfocyanide, tech. 100 lb kgs. lb	...	: .50
Imp. 650 lb cases.....100 lb	3.00	: 3.25			16° 800 lb drs. lb/l wks. lb	...	: .04			CP, 25 lb jars.....lb	.60	: .65
Powd., 380 lb bbls. wks. 100 lb	4.50	: 4.75			Chys., lb/l wks.....lb	...	: .05			Amyl Acetate, tech. 50 gal. drs. gal	3.50	: 4.00
Chrome, 700 lb cks wks. 100 lb	5.50	: 6.00			Ammonium Acetate, 100 lb kgs. lb	.35	: .36			Pure, 5 gal. cans.....gal	6.00	: 7.00
Soda, grd. 400 lb bbls. wks. 100 lb	...	: 4.00			Benzonate, USP 1 lb bot.....lb	.85	: .90			Alcohol, see Fuel Oil		
Bbls. c/l wks.....100 lb	...	: 3.50			Bifluoride, 300 lb bbls.....lb	.23	: .23			Butyrate, 1 lb bot.....lb	2.00	: 2.10
Aluminum, metal, c/l NY.....100 lb	24.50	: 25.00			100 lb kgs.....lb	.23	: .24			Formate, 1 lb bot.....lb	1.75	: 2.00
Chloride, anhyd. 275 lb drs.....lb	.20	: .23			Bromide, 50 lb boxes.....lb	...	: .33			Salicylate, 100 lb chys.....lb	1.45	: 1.60
30% sol. 120 lb chys.....lb	.03%	: .04			Imported, 112 lb boxes.....lb	.14%	: .15			Anethol, 2 lb bot.....lb	1.60	: 2.00
Hydrate, 96% light 80 lb bbls. lb	.18%	: .20			Carb., tech. 560 lb casks.....lb	...	: .09%			ANILINE OIL, 900 lb drs. 5 drs. lb	...	: .17
SULFATE, Iron-free bags c/l					Powd., tech. 385 lb bbls. lb	...	: .09			Aniline Salt, 200 lb bbls.....lb	.24	: .25
wks. ....100 lb	2.50	: 2.65			USP, lump, 100 lb kgs.....lb	...	: .09%			Anisic Aldehyde, 1 lb bot.....lb	3.40	: 4.00
Imported, spot.....100 lb	2.50	: 2.60			Powd., 100 lb kgs.....lb	...	: .08%			ANILINE OIL, 40-45% 600 lb casks		
Comm'l., 1/2 iron, bgs. c/l					Chloride, Domestic					wh. ....lb	.12	: .17
wks. ....East 100 lb	1.45	: 1.50			White gran. 250 lb bbls. NY. lb	...	: .08			50-85%, 600 lb casks wks.....lb	.75	: 1.00
					Bbls., c/l wks.....lb	...	: .07%			Anthraquinone, subl 125 lb bbls. lb	1.20	: 1.35
					Gray 250 lb bbls. wks.....lb	...	: .08%			30% paste 350 lb bbls.....lb	.75	: .80
					Bbls., c/l wks.....lb	...	: .08%			Antimony metal, slabs ton total 100 lb	8.87%	: 9.00
										Needle Powd., 100 lb cases.....lb	.06%	: .07

The Name Associated With **"Roche"** Fine Chemicals and Alkaloids of Rare Quality



Aconitine and Salts
Amidopyrine
Antipyrine
Apomorphine Hydrochloride
Arecoline Hydrobromide
Atropine and Salts
Berberine and Salts
Brucine and Salts
Caffeine and Salts
Cocaine and Salts
Codeine and Salts
Colchicine Alkaloid, U. S. P.
Colchicine Salicylate
Creosote, U. S. P.
Creosote Carbonate
Cumarin
Diacetylmorphine
Alkaloid and Hydrochloride
Digitalin Pure
Duboisine Sulphate
Emetine and Salts
Eserine and Salts
Gualacol Liquid

We are the headquarters for
SANTONIN
Crystals - U.S.P. - Powder

Gualaco Carbonate
Homatropine and Salts
Hydrastine and Salts
Hydrastinine Hydrochloride
Hyoscyne Hydrobromide
Hyoscyamine and Salts
Morphine and Salts
Phenolphthalein
Pilocarpine and Salts
Potassium Gualacol
Sulphonate "Alta" Brand
Salicin
Saponin Purified
Scarlet Red Medicinal
Genuine "Biebrich"
Silver Proteinate
Sodium Cacodylate
Sparteine Sulphate
Strophanthin
Strychnine and Salts
Theobromine and Salts
Veratrine and Salts
Yohimbin Hydrochloride

THE HOFFMANN-LA ROCHE CHEMICAL WORKS NEW YORK

Chemicals

ANTIMONY CHLORIDE, anhyd 1000b			Bay Rum, Porto Rican, genuine			Beta-Naphthylamine, tech. 200b.		
dra.	b	.35	Denat. salicy acid or tartar emetic			bbbl.	b	.90
50 lb crocks.	b	.45	45 gal. bbbls.	gal	3.10	Sublimed, 200b bbbls.	b	1.50
Sol'n 130b carboys.	b	.12	Denat. quinine sulf. 45 gal.			Bichloride Mercury, see Mercury Bichloride		
Oxide, 500b bbbls.	b	.06 1/2	bbbls.	gal	3.40	BISMUTH metal, 150b cases.	b	2.75
Salt, dom. 500b bbbls.	b	.24	Domestic synthetic, 50 gal.			Second Hands.	b	2.60
Imp., NY.	b	.22	bbbls.	gal	1.25	Ammon. Citrate, USP 5b bxs.	b	5.60
Sulfide, golden 500b bbbls.	b	.19	Benzaldehyde, tech. 945b dra.			Betanaphtholate, 5b bxs.	b	3.20
336b kegs.	b	.17	wks.	b	.65	Citrate, USP 5b bxs.	b	3.00
Crimson, 500b bbbls.	b	.38	USP, 25b cans.	b	1.40	Nitrate, 25b jars.	b	1.85
336b kegs.	b	.36	FEC, 25b cans.	b	1.60	Oxychloride, 250 bbbls.	b	3.35
Red, 500b bbbls.	b	.43	BENZENE, 90% 8000 gal. tanks			Phenolsulfonate, 5b cans.	b	3.05
336b kegs.	b	.40	wks.	gal	.27	Salicylate, 250 bbbls.	b	1.95
Tartrolactate, 500b bbbls.	b	.45	110 gal. dra. wks.	gal	.32	Subcarbonate, USP, 250 bbbls.	b	3.25
Antipyrine, USP, 100b cases.	b	2.75	CP Tanks, wks.	gal	.30	Subcarbonate, USP 250 bbbls.	b	3.25
Apomorphine Hydrochloride, 1/4 oz. vial.	oz.	10.65	110 gal. dra. wks.	gal	.35	X-Ray diag. 1b bot.	b	3.60
Arecoline Hytromeide, 1 oz. vial.	oz.	8.00	Benzidine Base, dry 250b bbbls.	b	.84	Subgallate, USP 175 bbbls.	b	2.65
Argols, red powd. 350b bbbls.	b	.07	10 bbl. lots.	b	.82	Subiodide, 5b lots.	b	4.55
Arsenic, metal 220b kegs.	b	.33	Benzidine Sulfate, paste 350b			Subnitrate, USP, 250 bbbls.	b	2.75
Red, 224b kegs cases.	b	.14 1/2	bbbls.	b	.70	Second Hands, bbbls. or less.	b	2.55
White, 550b bbbls. c/l NY.	b	.15 1/2	Benzol, see Benzene			Cones, 1b bot.	b	3.75
Aspirin, see Acid Acetylsalicylic			Benzonaphthol, 5b boxes.	b	2.00	Subsalicylate, USP, 175 bbbls.	b	3.05
Atropine ALK. USP 1 oz vial.	oz.	10.50	Benzoyl Chloride, 500b dra.	b	1.00	Tannate 1b bot.	b	2.58
Sulfate, 5 oz. in 1 oz vials.	oz.	3.00	Benzyl Acetate, 100b chys.	b	1.25	Bismuth Preparations quoted above on basis 25b lots.		
Single ounce.	oz.	3.10	Alcohol, 5b bot.	b	1.50	Smaller lots at an advance.		
BARIUM DIOXIDE, see Barium chloride			Benzoate, 5b bot.	b	1.50	Blanc Fixe, dry 400b bbbls. wks.	ton	80.00
Carbonate, precip. 800b bbbls.			Medicinal FFC.	b	1.60	Imported, bbbls.	ton	...
wks.	ton	75.00	Chloride, 95% tech. 925b dra.	b	.25	Paste, 650b bbbls.	ton	40.00
Imports, bbbls. spot.	ton	70.00	100b chys.	b	.30	BLEACHING POWDER, 700b dra.		
Precip., 200b bgs. wks.	ton	70.00	Redistil. 100b chys.	b	.35	c/l wks.	100b	2.15
Chloride, 800b bbbls. wks.	ton	90.00	Formate, 1b bot.	b	2.50	Drums 1c/l ex-warehouse.	100b	2.40
200b bgs. wks.	ton	90.00	Berberine Hydrochloride, 1b bot.	b	22.00	Contract, c/l wks.	100b	1.90
Imports, bbbls. spot.	ton	90.00	Sulfate, acid or neut. 1b bot.	b	22.00	F. a. s. c/l.	100b	...
Dioxide, 88% 780b dra.	b	.17	BETA-NAPHTHOL, 350b bbbls. wks.			Imported, spot.	100b	2.15
Imports, 83-85% 500b dra.	b	.14	ton lots, wks.	b	.23	Rose Ointment, see Mercury		
Hydrate, 500b bbbls.	b	.05 1/2	Sublimed.	b	.55	Mam, see Mercury		
Iodide, 5b bot.	b	5.15				Bone Ash, 100b kegs.	b	.08
Nitrate, 700b cases.	b	.09 1/2				Black, 200b bbbls.	b	.08
Imports, cases.	b	.07 1/2						
Sulfocyanide 400b bbbls.	b	.35						
Barytes, Roasted 350b bbbls.	ton	32.50						

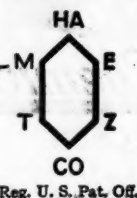
BETA NAPHTHOL

Dyestuffs and Intermediates
Manufactured by

CONSOLIDATED COLOR & CHEMICAL CO.
CENTRAL DYESTUFF & CHEMICAL CO.
WILLIAMSBURG CHEMICAL CO.

and other American manufacturers, distributed by

H. A. METZ & CO. Inc.
One Twenty Two Hudson Street New York City
Boston Philadelphia Providence
Chicago Charlotte San Francisco



Chemicals

Borax, USP, cryst. 400 lb bbls. . . . .	.05 1/2	.05 1/2
Powdered, U.S.P. 300 lb bbls. . . . .	.05 1/2	.05 1/2
Kegs, USP, 100-150 lb . . . . .	.05 1/2	.06
Bordeaux Mixture, powd. bbls. . . . .	.13	.16
Paste, bbls. . . . .	.08	.10
Borneol, 1 lb bot.		3.50
Bromide, see potass. bromide, etc.		
Bromine, bot. in 60 lb ea. wks. . . . .		.39
Bromobenzene, 600 lb drums. . . . .	.40	.42
Bromoform, USP 5 lb bot 50 lb cs.		1.30
Bromtyrol, 25 lb kegs.	4.00	4.25
Brucine Sulfate, 100 ozs. . . . .		.20
Butter of Antimony, see Antimony Chloride		
CADMIUM , metal 100 lb bbs.		
Bromide, 50 lb cases jars.	1.15	1.25
Iodide, 10 lb bot.		4.45
Sulfide, ea.	1.50	1.60
CAFFEINE ALK. USP 5 lb cans.		
Second Hands	3.75	4.25
Hydrochloride, 1 lb bot.	7.13	7.33
Sulfate, 1 lb bot.		5.50
Citrated, 25 lb cans.	3.00	3.25
Hydrobromide, 1 lb bot.		4.75
CALCIUM Acetate, 150 lb bgs. c/l		
Wks.		3.50
Arsenate, 100 lb bbls. c/l wks. . . . .	.18	.19
Bble. lc/l wks. . . . .	.18	.20
Bromide, 100 lb cs. . . . .		.45
Calcium Carbide, 250 lb dr c/l wks. . . . .		.04 1/2
Drums lc/l wks. . . . .		.05
Carbonate, tech. 100 lb bags		
s/l	1.00	1.10
USP, precip. 175 lb bbls. . . . .		.04
Chloride, solid, 650 lb drs. c/l		
f e b NY.		24.50
Gran., 350 lb drs. c/l f e b		
NY		30.50

CALCIUM CHLORIDE—(Continued)		
Flake 330 lb drs. c/l drs. fob		
NY		30.50
Imp., solid 600 lb drs. spot, ton		20.50
Anhyd., 350 lb drs. fob NY. . . . .	.12	.13
Glycerophosphate, 250 lb bbls.	1.55	1.60
Hydrate, (see Lime)		
Iodide, 5 lb bot.		4.35
Lactate, tech. 500 lb bbls. . . . .		.13 1/2
Nitrate, 230 lb bbls. c/l NY.		40.00
Phosphate, precip. 350 lb bbls. . . . .	.10	.12
Phosphate, precip. tribasic 350		
lb bbls. . . . .	.12	.13
Phosphate, mono. . . . .	.08 1/2	.07 1/2
Sulfocarbonate, 100 lb kegs. . . . .	.58	.60
Calomel, see Mercury		
CAMPBOR , Amer. ref. 250 lb		
bbls. . . . .		.96
2 1/2 lb slabs, 100 lb cs. . . . .		.97
1 lb cakes, 100 lb cs. . . . .		.97 1/2
1 oz. tab., 1 lb ctms.		1.01 1/2
100 lb cs.		1.02
1/2 oz. tab., 1 lb ctms.		1.02
100 lb cs. . . . .		.91
Jap. ref. 2 1/2 lb slabs, 100 lb		.93
cs.		1.00
1 oz. tab., 100 lb cs. 1 lb		1.00
tins		1.02
1/2 oz. tab. 100 lb cs. 1 lb		1.02
tins		1.02
Chinese ref. 2 1/2 lb slabs 100 lb		.90
cs. . . . .	.72	.73
Crude, 100 lb cs.		1.90
Campbor, Monobrom. 100 lb cs.		1.95
Caramel, 50 gal. bbls. . . . .	.57 1/2	.62
Carbazol, 250 lb bbls. . . . .	.75	.80
Carbon Bisulfide, pure w. ar. lc/INY. . . . .		.06 1/2
c/l drums, NY. . . . .		.05 1/2
Carbon Black, 12 1/2 lb bags, 150-		
225 lb cases . . . . .	.18	.35

Carbon Tetrachloride, 1400 lb drs.		
NY . . . . .		.10 1/2
Drums, c/l NY. . . . .	.09	.09 1/2
700 lb drs. single NY. . . . .		.10 1/2
Carmine, No 40 5 lb boxes.	4.50	4.60
Casein, edib. 100 lb keg. . . . .	.45	.50
Technical, 200 lb bbls. . . . .	.28	.30
Castoreum, 1 lb boxes.	4.90	4.50
Castor Oil, USP 50 gal. bbl. . . . .		.13
Cases, 80 lb 2 tins. . . . .		.14
Tech., see Fixed Oils		
Caustic Potash, see potash, caustic		
Soda, see soda, caustic		
Cerium Oxalate, USP 100 lb kgs. . . . .	.48	.53
Chalk, drop 175 lb bbls. . . . .		.03 1/2
Precip. light 175 lb bbls. . . . .	.04 1/2	.04 1/2
Precip. heavy 560 lb cans. . . . .	.03 1/2	.04
Bulk	5.00	8.00
Precip. English, 7 lb bags. . . . .	.08 1/2	.08 1/2
Charcoal, Bone, see bone black		
Wood, powd. 100 lb bbl. . . . .	.04	.05
Willow, powd. 100 lb bbl. . . . .	.06	.07
China Clay, imp.	16.00	22.50
Domestic, fob Mine.	15.00	17.50
Chloral Hydrate, USP 100 lb drs. . . . .	.75	.80
25 lb jars . . . . .	.76	.81
Chinoidin, 170 lb cases. . . . .	.65	.75
Chloramine-T, 5 lb bot.	1.25	2.50
Chloroform, 5 lb bot. . . . .	.55	.75
Chlorhydric, Ethylene anhyd. 600 lb		
dr. . . . .	.75	.85
40% soln. 100 lb chys. . . . .	.25	.30
CHLORINE , Liquid 3000 lb cyl		
c/l wks. . . . .	.05 1/2	.05 1/2
Tank car lots wks. . . . .	.05 1/2	.05 1/2
100 lb cyl. c/l . . . . .		.08
100 lb cyl lc/l wks. . . . .	.08 1/2	.07
100 lb cyl. lc/l, ex-warehouse. . . . .		.09
Chlorobenzene, mono. 1000 lb drs.		
Wks. . . . .	.10	.11
Dr. c/l wks. . . . .		.09
Tank car lots wks. . . . .		.08
CHLOROPFORM , USP 50 lb drs.		
Second Hands, 650 lb drs. . . . .	.32	.34
Technical, 650 lb drums. . . . .	.33	.35



ACETIC ANHYDRIDE
92-95%
(Free of Phosphorus, Chlorine and Sulphur)

ACID PHOSPHORIC 50%

S. P. G. 1.400

Meets Food and Drug Law Requirements

CAUSTIC SODA, SOLID

76/78% N. Y. & L.

ACETYL CHLORIDE

SODIUM PHOSPHATE

All Grades

**THE WARNER
CHEMICAL COMPANY**

Manufacturers

52 Vanderbilt Avenue, New York

Telephone Murray Hall 6262

Plants

Carteret, N. J.

South Charleston, W. Va.

Liquid Chlorine

The many advantages in the use of Liquid Chlorine include these efficient and economic elements—

It is chemically pure
It is a 100% bleaching agent

It is easy to control
It entails no waste or loss
It insures cleanliness of operation.



Electro Bleaching Gas Co.

PIONEER MANUFACTURERS of LIQUID CHLORINE

Plant NIAGARA FALLS, N. Y.

Main off. 18 E. 41st St., New York Chicago off 11 So. La Salle St.

Chemicals

Chromium Acetate, 30° soln. 400 lb bbls. ....	.08	: .10	COD LIVER OIL, Norwegian, 30 gal. bbls.	21.75	: 23.00	Cyanamide, bulk c/l wks, Amm. unit ...	: 3.25
Fluoride, Fowd. 400 lb bbls. ....	...	: .50	Newfoundland, 30 gal. bbls. bbl. ....	...	: ...	DIAMINOPHENOL, 100 lb kegs.	: 3.80
Soln. 400 lb bbls. ....	...	: .05	Colchicine alk., USP 1 oz. vial. ....	...	: 30.00	Diarsidine, 100 lb kegs.	4.10 : 4.20
Sulfate, 400 lb bbls. ....	.07	: .09	Salicylate, 1 oz. vial. ....	...	: 45.00	Dichlorobenzene, 1000 lb drs. ....	.06 : .07 1/2
Chrysarobin, USP 5 lb cans. ....	...	: 3.00	Colloidon, USP 30 lb drums. ....	.22	: .23	Diethylaniline, 850 lb drs. ....	.60 : .65
Cinchonidin alk., pvd. 100 oz. tins. ....	...	: .70	Flexible, USP 30 lb drums. ....	.27	: .28	Diethyl Phthalate, 25 lb cans. ....	.65 : .75
Crystal ....	...	: .75	COPPER, metal electrolytic c/l			Diethyl Sulfate tech. 50 gal. drs. ....	.20 : .25
Sulfate, 100 oz. tins. ....	.49 1/2	: .50	NY	17.00	: 17.12 1/2	CP drums ....	.40 : .50
Cinchonine, alk., pvd. 100 oz. tins. ....	...	: .38	Lake, c/l NY.	17.12	: 17.25	Digitalin, Pure, 1 oz. vial.	7.75 : 8.25
Crystal ....	...	: .42	Casting, c/l NY. ....	...	: 16.50	Dimethylaniline, 840 lb drs. wks. ....	.42 : .43
Sulfate, 100 oz. tins. ....	...	: .35	Carbonate, 400 lb bbls. ....	.19	: .19 1/2	Dimethylsulfate, 100 lb drs. ....	... : .50
Cinnamic Alcohol, see Alcohol Cinnamic			Cyanide, 100 lb drs. ....	.58	: .60	Dinitrobenzene, 400 lb bbls. ....	.19 : .21
Cinnamic Aldehyde, 1 lb bot.	3.20	: 3.50	Iodide, 5 lb bot. ....	...	: 5.65	Dinitrochlorobenzene, 400 lb bbls. ....	.19 : .20
Citral, 25 lb cans.	2.75	: 3.00	Oxide, 1000 lb bbls. ton lots. ....	.18	: .19	Dinitronaphthalene, 850 lb bbls. ....	.30 : .32
Citrine Ointment, see Mercury			Sub-Acetate, verd. 440 lb bbls. ....	.35	: .37	Dinitrophenol, 350 lb bbls. ....	... : .40
Citronellal, 1 lb bot.	2.00	: 2.25	SULFATE, crys. 450 lb bbls. 1/2			Dinitrotoluene, 300 lb bbls. ....	.19 : .21
Citronellol, 1 lb bot.	8.00	: 14.00	spot	6.65	: 6.90	Dionin, see Morphine, Ethyl	
Cobalt metal, 100 lb kegs.	2.75	: 2.85	Carlots, bbls. f.o.b. NY. 100 lb	6.40	: 6.50	Diphenylamine, 250 lb bbls. ....	.48 : .50
Cobalt Oxide, 500 lb bbls. ....	...	: 2.10	Imp. 550 lb cans.	5.75	: 6.00	Diphenylchloride, 500 lb drums. ....	.85 : .90
10 lb tins 200 lb cans. ....	...	: 2.35	Powdered, 350 lb 5 bbls. ....	...	: .08 1/2	Dover's Powder, USP 5 lb tins.	2.20 : 2.30
COCAINE alk., USP. 1 oz. vial. ....	...	: 11.00	Copperas, bulk c/l wks.	20.00	: 21.00	Duboisine Sulfate, 1 oz. vial. ....	... : 60.00
Hydrochloride, USP—1 oz. vials. ....	...	: 7.07	400 lb bbls. c/l wks. ....	...	: 25.00	EARTH, Diatomaceous, see Kieselguhr	
In 1/2 oz. vials. ....	...	: 7.50	200 lb bgs. c/l wks. ....	...	: 23.00	Emetine, alk., 15 gr. vials. ....	... : 1.65
In crystals, granular, powder, or flaky crystals as desired.			Powdered, bbls.	3.45	: 3.75	Hydchlide, USP 1 oz. vial. ....	... : 19.00
Cocoa Butter, bulk, 200 lb bales. ....	.30 1/2	: .32	Corn Syrup, 42 deg. 50 gal. bbls.	2.77	: 3.02	15 gr. vials. ....	.75 : .80
Fingers, cakes, etc. 12 lb bxs. ....	.36 1/2	: .37 1/2	43 deg. 50 gal. bbls.	2.82	: 3.07	EPSON SALT, tech. 300 lb bbls. NY. ....	... : 2.35
CODEIN alk., 5 oz. cans 10 oz. lots. ....	...	: 7.30	Corrosive Sublimate, see Mercury Dichloride			Bbls. c/l NY. ....	... : 2.10
Hydrobromide, 10 ozs. ....	...	: 5.85	Cotton Soluble, 100 lb bbls. wet. ....	.40	: .42	100 lb bgs. c/l NY. ....	... : 1.85
Hydrochloride, 10 ozs. ....	...	: 5.55	Coumarin, 25 lb tins.	4.00	: 4.10	Imp., 220 lb bgs. c/l NY.	1.10 : 1.25
Nitrate, 10 ozs. ....	...	: 5.55	Second Hands ....	...	: ...	USP, 300 lb bbls. 10 bbls. 100 lb	2.75 : 2.90
Phosphate, 10 ozs. ....	...	: 5.50	CREAM TARTAR, USP 300 lb bbls. ....	...	: .26 1/2	Carlots, bbls.	2.25 : 2.50
Salicylate, 10 ozs. ....	...	: 5.50	Imp. powd. USP, 224 bbls. ....	.24	: .25	Imported, 300 lb bbls.	2.25 : 2.50
Sulfate, 10 ozs. ....	...	: 5.55	Cresote, USP, 42 lb chys. ....	.40	: .45	Ergotin, Bonjean, 1 lb jars.	9.50 : 10.00
Small Sizes, 1/2 oz. vials, 50c extra, 1/4 oz. 25c extra, singles 7c extra per oz.—25 oz. lots, 10c oz. cheaper than above. Less than 10 oz. 15c oz. higher than above			Cresote Oil, 50 gal. drs. ....	.20	: .22	Heerine alk., 1 oz. vial. ....	... : 30.00
			Carbonate, 1 lb bot. 25 lb	1.60	: 1.75	Salicylate, USP 1 oz. vial. ....	... : 20.00
			Cresol, USP, 400 lb bbls. ....	.25	: .27	Sulfate, USP VIII, 1 oz. vial. ....	... : 15.00

FORMALDEHYDE

MECCO

The Miner Edgar Company
 Rail and Water Facilities
 120 William Street
 New York

Chemicals

ETHER, USP 55 lb drums.....D	.13	: .15	Fluorspar, 95% 220 lb bgs. ex			GLYCERIN, C. P. 550 lb drums. D	...	: .18 1/2
Anaesthesia, 55 lb drums.....D	...	: .16	doek	ton	...	Cans, 50 lb	D	: .20
USP, 1880 55 lb drums.....D	...	: .38	98% bgs.	ton	...	Dynamite, 1000 lb drs.....D	...	: .17
Washed, 55 lb drums.....D	...	: .30	98% bgs.	ton	...	Saponification, tanks	D	: .13 1/2
Motor, 1 lb cans.....D	.26	: .27	FORMALDEHYDE, USP 400 lb bbls.			Soap, Lye, tanks.....D	...	: .12
Ether, Nitrous, 1 lb bot.....D	.92	: .95	c/l wks.	D	...	Goa Powder, see chrysarobin		
Ethyl Benzyl Aniline, 300 lb drs. D	...	: 1.30	Carboys, 100 lb 1c/l wks.....D	...	: .16 1/4	Graphite, crude 220 lb bags.....ton	15.00	: 35.00
Ethyl Acetate, 99% 50 gal. drs. gal	.95	: 1.05	Bbls. 400 lb 1c/l wks.....D	...	: .16 1/4	Flake, 500 lb bbls.....D	.06	: .10
85-90% Ester, 50 gal. drs. gal	...	: .85	Second Hands	D	: .15 1/2	Ground, lump, bbls.....D	.04	: .05
Carlots, drums .....	...	: .82	Fuller's Earth, 200 lb bgs. c/l			Guaiacol liquid, USP 25 lb cans. D	2.50	: 2.60
Tank Cars .....	...	: .70	mines	ton	15.00	Benzoate, 1 lb bot.....D	...	: 18.00
Pure, 5 lb bot.....gal	3.25	: 3.50	Imported, 230 lb bags NY.....ton	35.00	: 40.00	Carbonate, 5 lb boxes.....D	4.25	: 4.50
Benzoate, 5 lb bot.....D	1.85	: 2.00	Fusel Oil, refined, 100 gal drs. gal	3.00	: 3.50	HAARLEM OIL, Dom. 6 gr. cs. gross	...	: 3.50
Bromide 115 lb drs.....D	...	: .40	Crude, 100 gal drs.....gal	...	: 2.00	Imported, 5 gr. cases.....gross	5.20	: 5.25
Butyrate, 5 lb bot.....D	2.00	: 2.25	G. SALT, paste 350 lb bbls. basis			Halazone, 5 lb bot.....D	2.75	: 3.25
Chloride, 15 lb cyl.....D	...	: .35	100%	D	.60	Heliotropin, 10 lb bot.....D	1.75	: 2.75
Cinnamate, 1 lb bot.....D	4.50	: 5.00	Gelatin, USP silver bbl. 100 lb cs. D	...	: .85	Hexamethylenetetramine, USP		
Formate, 5 lb bot.....D	.95	: 1.00	Gold Label, 100 lb cases.....D	...	: .60	100 lb drums .....	.95	: .97 1/4
Methyl Ketone, 50 gal. drums. D	.21	: .21 1/4	Technical, 100 lb cs.....D	...	: .65	Imported .....	.75	: .80
Morphine, see Morphine, Ethyl			Geraniol, 50 lb cans.....D	2.75	: 3.00	Rubber Makers, Impalp. Pd.		
Valerate, 5 lb bot.....D	4.50	: 4.75	Geranyl Acetate, 1 lb bot.....D	4.25	: 4.75	drs.....D	...	: .05
Ethylene Bromide, 600 lb drs.....D	...	: .60	GLAUBER'S SALT, tech. 300 lb bags			Homatropine Hydrobrom. USP 1 oz.		
Glycol .....	.65	: 1.00	c/l wks.	100 lb	1.10	vial .....	...	: 16.00
Chlorhydrin, anhyd. 50 gal drs. D	.75	: .85	350 lb bbls. c/l wks.....D	1.25	: 1.40	Five ozs., 1 oz. vials.....oz	...	: 15.00
40% Solution, 50 gal. bbls. D	.25	: .30	Bbls. 1c/l wks.....D	1.50	: 1.75	Hydrastine Alk., USP, 1 oz. vial. oz	...	: 20.00
Dichloride, 50 gal. drs.....D	.20	: .25	Imported, bbls. spot.....D	1.00	: 1.10	Hydchlide, USP, 1 oz: vial.....oz	...	: 20.00
Eucalyptol, 25 lb cans.....D	.80	: .85	USP, 300 lb bbls. Imp. sp. 100 lb	...	: 1.25	Sulfate, 1 oz. vial.....oz	...	: 22.00
Eugenol, 25 lb cans.....D	2.85	: 3.25	USP, 300 lb bbls. dom. sp. 100 lb	...	: 1.75	Hydrastine Hydchlide, USP 15 gr.		
Feldspar, bulk	20.00	: 25.00	USP, 300 lb bbls. c/l wks. 100 lb	...	: 1.40	vials .....	...	: 2.40
FERRIC CHLORIDE, tech. crys.			Glucose, (Grape Sugar) dry, 100			Hydrasobenzene, 100 lb kegs.....D	1.30	: 1.35
475 lb bbls.....D	...	: .10	bags, c/l NY.....D	3.09	: 3.19	HYDROGEN PEROXIDE, 35 vol. 400 lb		
Imported .....	...	: .07	Syrup, Drs. & bbls. c/l NY 100 lb	2.77	: 3.02	bbls. ....	...	: .10
USP, crys. 100 lb kegs.....D	...	: .10	1c/l NY .....	...	: 3.12	USP Soln. 375 lb bbls.....D	.05	: .05 1/4
Imported .....	...	: .09	GLUE, pure white, bbls.....D	.30	: .35	USP bot. 4 oz. cases.....gross	8.00	: 8.25
Tech. Sol'n 40° 140 lb chys. D	...	: .06 1/4	Medium white, bbls.....D	.25	: .30	Bot. 8 oz. cases.....gross	11.75	: 12.00
48°, 140 lb chys.....D	...	: .08	French, bbls. ....	.18	: .25	Bot. 16 oz. cases.....gross	19.75	: 20.00
USP Sol'n 125 lb chys.....D	...	: .06 1/4	High Grade, bbls.....D	.35	: .40	Hydroquinone, 100 lb kegs.....D	1.05	: 1.20
Ferrous Chloride, crys. tech.			Bone, regular, bbls.....D	.10	: .12	Hyoscine Hydrobrom. USP 1 oz.		
475 lb bbls. ....	.06	: .06 1/4	Flash, bbls.	1.50	: 1.75	vial .....	...	: 21.00
Ferrous Sulfide, 1000 lb bbls. 100 D	2.50	: 3.00				Five ozs., 1 oz. vials.....oz	...	: 20.50
Flake White, see lead, white								

Formaldehyde

Solution U.S.P.



P A C BRAND

PERTH AMBOY CHEMICAL WORKS

709 SIXTH AVE., NEW YORK

Hyosamine Alk. Cryst., 1 oz. vial.	35.00	LANOLIN, see Adeps Lanæ		Litharg, see lead oxide	
Alkaloid, Amorphous, 1 oz. vial.	75.00	LEAD, metal, c/1 NY.....100lb	8.62½: 8.75	Lithium Carb. USP 100 lb kgs.	1.50 : 1.60
Hydrobromide, USP 1 oz. vial.	60.00	Acetate, white crystals 500 lb		Bromide, 100 lb cs.....	1.70 : 1.80
Sulfate, 1 oz. vial.....	35.00	bbis. wks.....	13½% :	Citrate, USP 100 lb kgs.....	1.60 : 1.70
INDOL, C. P. 1 oz. bot.....	8.50 : 9.00	100 to 250 lb kgs. wks.	14 :	Iodide, 5 lb bot.....	5.40
Iodides, see Potas. Iodide, etc.		White, broken, bbis. wks.100lb	12.90	Lithopone, 400 lb bbis. 1c/1 wks.06½% : .07
IODINE, crude, 200 lb kgs.....	3.90 : 3.95	White, gran., bbis. wks.100lb	13.15	Bbis. c/1 wks.....	.06% : .06½%
Recombined, 10 lb jars.....	4.55	White, powd., bbis. wks.....	14 :	Imported, bbis.....	.05½% : .05%
Tincture, USP 50 gal. bbis. gal	4.60 : 4.65	Keps, wks.....	14½%	Litmus Cubes.....	.90 : 1.00
Carboys.....	4.75 : 4.85	Brown, broken, bbis. wks.	12½%	MAGNESITE, crude.....	15.00
Iodoform, powd. 10 lb bot.....	8.00	USP 100 lb kgs.....	2.28	Calcined, 500 lb bbis.....	55.00
Crystals, 10 lb bot.....	7.00	Arsenate, 100 lb bbl. 1c/1 wks.25 : .26	Magnesium nit., sticks 100 lb cs. lb	1.40 : 1.50
Ionone, (violet) 1 lb bot.....	5.00 : 6.00	Bbis. c/1 wks.....	.21 : .24	Carb. tech. 70 lb bags NY.....	.07% : .08
Iridium, metal 10 oz lots.....	350.00	Paste, 600 lb bbis.....	.13	75 lb bbis. NY.....	.08% : .09
Iron, metal by hydrogen 1 lb bot.65 : .70	Iodide, USP VIII 5 lb bot.....	3.20 : 3.40	USP, 60 lb bbis.....	.10 : .11
IRON & AMM. CITRATE, USP 35 lb cans.....	.84	Nitrate, 500 lb bbis. wks.....	.23	USP, blocks 100 lb cs. 1, 2, 3, 4 ozs.....	.19 : .23
Green scales, 25 lb cans.....	.84	Oxide, lithge, 500 lb bbis. 100 lb	10.90 : 11.15	Chloride, fused 575 lb dra. c/1 wks.....	32.00
Cacodylate, 10 lb bot.....	9.00 : 9.25	100 lb kgs, wks.....	14½%	Flaked, 350 lb dra. wks.....	34.00
Citrate, USP VIII 25 lb cans..	.90	Oxide, red 500 lb bbis. wks.	11.40 : 11.65	Imp., fused 900 lb bbis. NY.ton	26.00 : 28.00
Chloride, see ferric or ferrous		Peroxide, 100 lb dra.26	Fluomelicate, crystal 400 lb bbis. wks.....	.15
Hypophosphite, 5 lb cans.....	1.50 : 1.60	White, basic carb. 500 lb bbis. wks.....	.10	30% soln. 500 lb bbis. wks.07 : .07½%
Syrup, USP VIII.....	.30	Bbis. c/1 wks.....	.09½% :	Soln. bbis. c/1 wks.....	.06
Iodide, 1 lb bot.....	4.20	100 lb kgs wks.....	14½%	Glycerophosphate, 5 lb tins.....	3.35
Syrup, USP 5 lb bot.....	.35 : .36	White, sulfate 500 lb bbis. wks.09½% : .09½%	Hypophosphite, 5 lb cans.....	1.15
Nitrate, kgs.....	.09 : 1.10	Bbis. c/1 wks.....	9.25 :	Oxide, USP light 100 lb bbis.45
Com'l, bbis.....	2.75 : 3.25	Licorice Ext. Mass, cases.....	.25 : .26	USP, heavy 250 lb bbis.....	.50
Oxalate, scales 25 lb cans.....	.80 : .83	Compound powder, bbis.....	.11 : .13	Peroxide, 5 lb cans.....	2.15
& Ammon. Oxalate, 35 lb bbs..	.45 : .50	Powdered.....	.38 : .40	Perborate, 1 lb tins.....	2.25
& Potassium Oxalate, 35 lb bbs.47 : .48	Sticks, 1 oz. 100 lb cans.....	.45 : .50	Sallylate, 100 lb kgs.....	.67 : .70
& Sodium Oxalate, 35 lb bbs..	.40 : .43	LIME (Salts, see Calcium Salts)		Sulfate, see Epoxen Salts	
Phosphate, USP 25 lb cans.....	.80	Live, 325 lb ton lots, wks.01½%	Manganese Chloride, 600 lb cas. NY.....	.09½% : .10
Fryophosphate, USP 25 lb cans.....	.90 : .97	Single bbl. wks.....	.01%	Borate, 200 lb bbis.....	.18
Iso-Eugenol, 1 lb bot.....	4.25 : 5.00	Hydrated, 167 lb bbl. ton lots, wks.....	.01%	100 lb kgs.....	.19
JALAP RESIN, lump 5 lb tins.....	3.25 : 3.35	wks.....	.01½%	Dioxide, 80-84% 900 lb bbis. NY.....	80.00 : 85.00
Powd., tins.....	3.40 : 3.50	Single bbl, wks.....	.01%	85-90%, 900 lb bbis. NY.ton	85.00 : 90.00
KIESELGUHR, 90 lb bags NY.....	60.00 : 70.00	Oyster Shell, 150 lb bbl, single,03	Hydrated, precip. 100 lb kgs.33 : .35
		125 lb bag.....	.03		
		Sulfur, dry 200 lb dra. NY.....	.11 : .13		
		Dra. c/1 NY.....	10½%		
		35° Soln. 50 gal. bbis. NY.gal	7.00 : 7.25		
		Linalol, 5 lb bot.....	7.00 : 7.25		
		Linalyl Acetate, 1 lb bot.....	7.00 : 10.00		
		Benzene, 1 lb bot.....	13.00 : 14.00		

R. W. Greeff & Co.
INCORPORATED
78 FRONT ST., NEW YORK, N. Y.

MANUFACTURERS' AGENTS
EXPORTERS IMPORTERS

Acetone
Barium Chloride
Cream Tartar
Cresylic Acid
Formaldehyde
Formic Acid 90%
Lithopone
Methyl Alcohol
Methyl-Ethyl-Ketone
Oxalic Acid
Phthalic Anhydride
Potash Bicarbonate
Soda Sulphide
Tartaric Acid

Cable Address, FERGCOTRAV N. Y.

Chemicals

Manganese—(continued)			METHANOL (Wood Alcohol)			NAPHTHA, Solvent, 110 gal. dra.		
Glycerophosphate, 5 lb. tins....	D	3.05	95%, 50 gal. drums. ext....	gal	1.15 : 1.17	wks.	gal	...
Hypophos. USP VIII 5 lb. cans. D		1.65	97%, 50 gal. drums. ext....	gal	1.18 : 1.19	8000 gal. tank cars wks.	gal	...
Iodide, 1 lb. bot.	D	6.40	Pure, 50 gal. drums. ext....	gal	1.25 : 1.27			
Ore, bulk NY.	unit	.30	Acetone free, 50 gal. drums. ext. gal		1.30 : 1.40	NAPHTHALENE, Flasks, 175 lb. bbls.		
Sulfate, 600 lb. casks NY.	D	.10 : .11	Bbls. incl. 5c higher			wks.	D	.06 1/4 : .07
Marble Flour, bulk.	ton	10.00 : 12.00	Methyl Acetone, 100 gal. drums. gal		.75	Bbls. c/l wks.	D	.06 : .07
See also Calcium Carbonate			Tank cars	gal	.70	Bbls., second hands NY.	D	.07 1/4 : .08
MENTHOL, USP, 60 lb. cases.	D	8.20	Anthraniolate, 1 lb. bot.	D	2.25 : 2.50	Balls, 250 lb. bbls. wks.	D	.07 1/4 : .08
Less cases, 5 lb. tins.	D	8.40 : 8.50	Chloride, 90 lb. cyl.	D	.50	Bbls. c/l wks.	D	.07 : .08
MERCURY, metal, 75 lb. flask.	flask	69.00 : 70.00	Cinnamate, 1 lb. bot.	D	4.00 : 4.50	Crushed bgs. wks.	D	.05
Less Flasks, 5 lb. jugs.	D	1.02 : 1.04	Paracresol, 1 lb. bot.	D	8.00 : 9.00	Crude, imp., bgs.	D	.02 1/4 : .03
Bichloride, cryst. 25 lb. bxs.	D	1.17	Sallylate, USP, 50 lb. cases.	D	.57	Nerolin, 1 lb. tins.	D	1.75 : 2.00
Gran. powd., 200 lb. kegs.	D	1.02	500 lb. drums.	D	.55	Nickel Metal, electrolytic 100 lb.		
Bisulfate, 25 lb. boxes.	D	.86	Second Hands, cases.	D	.51 : .52 1/2	kegs.	D	.25 : .30
Blue Mass, 25 lb. boxes.	D	.63	Methylene Blue, tech. 100 lb. kgs.	D	1.00 : 1.50	Shot, 100 lb. kegs.	D	.25 : .30
Powdered, 25 lb. boxes.	D	.64	USP, medicinal 5 lb. cans.	D	2.25 : 2.60	Salt, single 400 lb. bbls. NY.	D	.07 1/4 : .11
Blue Ointment, USP 25 lb. cans			Michler's Ketone, 225 lb. bbls.	D	3.75	Double, 400 lb. bbls. NY.	D	.08 : .10
50%	D	.80	Milk, powd. 150 lb. bbls.	D	.14 : .15	Oxide, 100 lb. kegs NY.	D	.40 : .43
USP, dilute 25 lb. cans 30%.	D	.63	Milk Sugar, see sugar of milk			Nitre Cake, bulk wks.	ton	6.50 : 8.00
33 1/3% Mercury.	D	.67	Mineral Oil, see oil mineral			500 lb. bbls.	ton	9.00 : 9.75
Calomel, 50 lb. bxs.	D	1.25	Mono-chlorobenzene, see chlorobenzene			Nitrobenzene, crude 1000 lb. dra.		
Citrine Ointment 25 lb. jars.	D	.50	Monoethylaniline, 900 lb. drs.	D	1.00	wks.	D	.09 1/4 : .10 1/4
Iodide, green 25 lb. jars.	D	4.00	Monomethyl paraamidophenol sulfate			Redistilled, 1000 lb. dra. wks.	D	.10 : .11
Red, USP 25 lb. jars.	D	4.10	100 lb. drs.	D	4.00	Nitronaphthalene, 550 lb. bbls.	D	.20 : .21
Yellow, USP VIII 25 lb. jars.	D	4.00	MORPHINE Sulfate, USP 5 oz. tins			Nitrotoluene, mixed 1000 lb. dra.		
Red Precip. USP 25 lb. bxs.	D	1.38	10 oz.	oz.	5.35	wks.	D	.14 : .15
Powder, USP 25 lb. bxs.	D	1.48	Acetate, 5 oz. tins 10 oz. lots.	oz.	5.35	Oil Fuel, see Fuel Oil		
White Precip. USP 25 lb. bxs.	D	1.49	Hydrobromide, 5 oz. tins 10 oz.	oz.	5.35	OIL MINERAL, wh. 50 gal. bbls. gal		
Powder, USP 25 lb. bxs.	D	1.54	lots	oz.	5.35	Oil Mirbane, see nitrobenzene		
With chalk, USP 25 lb. bxs.	D	.63	Hydchloride, 5 oz. tins 10 oz.	oz.	5.35	Opium, see crude drugs		
Meta-Nitroaniline, 300 lb. bbls.	D	.78 : .80	lots	oz.	5.35	Orange Mineral, 800 lb. casks NY.	D	.15 1/4 : .16
Meta-Nitro-para-Toluidine, 300 lb.			Hydchloride, 1/4 oz. via 10 oz.	oz.	8.95	500 lb. bbls. NY.	D	.15 1/4 : .16 1/4
bbls.	D	2.25	Ethyl Hydchloride, 1/4 oz. via 10	oz.	8.10	Ortho-Aminophenol, 50 lb. kegs.	D	2.50
Meta-Phenylenediamine, 300 lb.			Small Sizes: 1/4 oz. vials, 50c extra;			Ortho-Aniline, 100 lb. dra.	D	...
bbls.	D	.98 : 1.00	1/4s 25c extra; single oz. vls., 7c extra,			Ortho-Dichlorobenzene, 1000 lb. dra.	D	.15 : .17
Meta-Toluylenediamine, 300 lb.			over price for 5 oz. tins. 25 oz.			wks.	D	.15 : .17
bbls.	D	.95 : 1.00	lots in 5 oz. tins, 10c oz. lower than			Ortho-Nitrochlorobenzene, 1200 lb.	D	.48 : .50
			above schedule. Less than 10 oz. lots			dra. wks.	D	1.00 : 1.05
			15c oz. higher than above schedule.			Ortho-Nitrophenol, 350 lb. 3 bbls.	D	1.00 : 1.05
			Musk Ambrette, 1 lb. cans.	D	14.50 : 16.50			
			Ketone, 1 lb. cans.	D	13.00 : 14.00			
			Xylene, 5 lb. cans.	D	2.75 : 3.00			

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Acid Molybdic
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Ammonium Persulfate, 98%
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Nickel Formate
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Potassium Thiocyanate
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Dependable CHEMICALS FOR INDUSTRIAL USE

Chemicals

Ortho-Nitrotoluene, 1000 lb. dra. wks.10 : .13	Para-Phenylenediamine, 350 lb. bbls.	1.55 : 1.60	Phosphorus, red 110 lb. ca. wks. lb.35 : .50
Ortho-Toluidine, 350 lb. bbls. ....	.14 : .16	Para-Toluene-Sulfonamide, 175 lb. bbls. ....	.40 : .41	Imported, 112 lb. cases. ....	.30
Ozgal, USP 5 lb. bot.	2.60	Para-Toluene-Sulfonchloride, 410 lb. bbls. wks. ....	.15 : .30	Yellow, 110 lb. ca. wks. ....	.32 : .35
PALLADIUM, metal 10 ca. lots ca.	51.00 : 53.00	Para-Toluidine, 350 lb. bbls. wks. lb. ....	.90 : 1.00	Imported, 112 lb. cases. ....	.25 : .27 1/2
Pancreatin, USP 5 lb. bot.	1.25 : 1.40	PARIS GREEN		Phosphorus Sesquioxide, 105 lb. ca. wks. ....	.37 1/2
Papain, 1 lb. bot.	2.15 : 2.35	Arsenic Basis, 500 lb. kegs. ....	.26 : .28	Phosphorus Trichloride, 175 lb. cyl. wks. ....	.35
Paraffin, ref'd. 300 lb. ca. alabs.		Kegs. 100 lbs. ....	.30	Phthalic Anhydride, 175 lb. bbls. lb. ....	.35 : .40
120-125 Deg. M. P. ....	.03 1/4 : .03 1/4	Kits, 56, 28, 14 lbs. ....	.31	Pilocarpine Hydrochloride, USP 25 ca. lots, 1 oz. vials.	5.50
125-130 Deg. M. P. ....	.04 : .04 1/4	Packages, 5 and 2 lbs. ....	.32 : .34	Nitrate	5.50
130-135 Deg. M. P. ....	.04 : .04 1/4	Packages, 1 lb. 1/2, 1/4 lb. ....	.34 : .36	Single ounces.	5.75
135-140 Deg. M. P. ....	.05 : .06 1/4	Paris White, see whitening, French		Alkaloid, 15 gr. vials. ....	.75
Para-Aminocetanilid, 100 lb. kegs.	1.35 : 1.35	Pepsin, USP 5 lb. bot.	2.25 : 2.50	Piperazine Hydrate, 1 lb. bot.	16.00
Para-Aminophenol, 100 lb. kegs. lb.	1.16 : 1.50	PETROLATUM, green 300 lb. bbls. lb. ....	.02 1/4 : .03	Pitch, Coal-Tar, wks.	30.00 : 33.00
Hydrochloride, 100 lb. kegs.	1.50	Dark Amber 300 lb. bbls. ....	.03 1/4 : .04	Plaster Paris, tech. 250 lb. bbls. bbl.	3.30
Para-Anisidine, 100 lb. kegs.	3.00 : 3.25	Light Amber, 300 lb. bbls. ....	.04 1/4 : .04 1/4	True Dental, 300 bbls.	4.50
Technical, kegs.	1.65 : 1.75	Cream White, USP 300 lb. bbls. lb. ....	.07 : .07 1/4	Platinum, metal soft 10 ca. lots. ca.	110.00
Para-Dichlorobenzene, 370 lb. bbls. wks. ....	.17 : .20	Lily White, USP, 300 lb. bbls. lb. ....	.09 : .09 1/4	Podophyllin, 5 lb. bot.	6.00 : 6.25
Paraldehyde, 100 gal. dra. ....	.35	Snow White, USP, 300 lb. bbls. lb. ....	.13 : .13 1/4	Second Hands	5.50 : 6.00
Paraformaldehyde, USP 100 lb. ca. lb. ....	.53 1/4 : .55	PHENOL, see also acid carbolic		POTASH, CAUSTIC, solid 88-92% 700 lb. dra. wks. ....	.08 1/2
Para-Nitroacetanilid, 300 lb. bbls. ....	.50 : .55	Open market, 950 lb. dra. ....	.50	Imp., 88-92% 700 lb. dra. NY. lb. ....	.08 : .08 1/2
PARA-NITROANILINE, 300 lb. bbls. wks. ton ....	.74 : .75	240 lb. des dra. ....	.50	USP, by alcohol 5 lb. cans. ....	.48 : .48
Para-Nitrochlorobenzene, 1200 lb. dra. wks. ....	.24 : .26	Natural 240 lb. des dra. wks. ....	.50	cases ....	.30 : .35
Para-Nitro-ortho-Toluidine, 300 lb. bbls.	2.75 : 2.85	Imported, 336 lb. des dra. ....	.50	POTASSIUM Acetate, USP 100 lb. kegs. ....	.38 : .39
Para-Nitrophenol, 185 lb. bbls. ....	.90 : .95	Phenolphthalein, USP 100 lb. dra. lb.	1.50	Bicarbonate, crys. 220 lb. bbls. lb. ....	.07 1/4 : .08
Para-Nitrosodimethylaniline, 120 lb. bbls.	1.25 : 1.30	5 lb. cans. 100 lb. lots.	1.55 : 1.60	Bichromate, crys. 900 lb. cases wks. ....	.10 : .10 1/2
Para-Nitrotoluene, 350 lb. bbls. lb. ....	.60 : .70	Phenylacetaldehyde, C.P., 1 lb. bot.	9.00 : 12.50	Powd., 900 lb. cases wks. ....	.13 : .18 1/2
Para-oxo-Benzaldehyde, 100 lb. kegs.	1.50 : 1.60	50 p.c.	6.00 : 8.00	Rinzoate, 300 lb. bbls. ....	.34 : .38
Para-Phenetidin, 500 lb. dra.	1.55 : 1.80	Phenyl-Alpha-Naphthylamine 100 lb. kegs. ....	.750 : 9.00	Risulfate, C.P. 5 lb. cans. ....	.30
		Phenylethylalcohol, 1 lb. bot.	9.50 : 12.00	100 lb. kegs. ....	.32
		Imported ....	.60 : .62	Bromate, 100 lb. ca. ....	.45
		Phosgene, cylinders, wks. ....	.35 : .40	BROMIDE, USP cryst. 450 lb. bbls. ....	.26
		Phosphorus Oxichloride, 175 lb. cyl. lb.		Granular, 300 lb. bbls.28
				Cases, 100 lb.37
				Imported, USP, 220 lb. ca.14 1/4 : .15

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PITTSBURGH, PENN., U. S. A.

Specifications on Request

Chemicals

POTASSIUM—(Continued)

CARBONATE, 80-85% calc.		
800 lb cks. D	.05%	.06
80-85%, hydrated, 800 lb. cks. D	.07%	.08
90-95% casks D	.08%	.08%
96-98% casks D	.08	.08%
99% casks D	.08	.08%
USP, 100 lb kegs. D	.10	.11
Chlorate, crys. 112 lb kgs. c/l wks. D	.08%	.08%
Imp. 112 lb kegs NY. D	.07	.07%
Powd., 112 lb kegs wks. D	.08%	.08%
Imp. kegs NY. D	.07	.07%
Pyrotechnic, fine powd. NY. D	.08	.09
USP, fine crys. 110 lb kegs NY. D	.08	.09
Citrate, USP 10 lb cans. D	.63	.66
Glycerophosphate, 75% Soln. 25 lb tins. D	1.65	1.70
Guaiacol Sulfonate, 5 lb cans, 10 lb D	1.50	1.75
Hypophosphite, 10 lb cans. D	...	.85
Iodide, USP, 100 lb cases. D	3.75	3.85
Second Hands, cases. D	...	3.65
Lactophosphate, 4 oz bot. oz	...	.90
Metabisulfite, 300 lb bbls. D	...	.23
Imp., 300 lb bbls. D	.14	.16
Muriate, 80%, 200 lb bags, NY K ₂ O unit ....	...	.70
Nitrate, see Saltpetre		
Oxalate, neutral, 100 lb kegs. D	.40	.45
Perchlorate, 112 lb kegs. D	.09	.10
Permangan, USP crys. 112 lb dra. D	.20	.21
Prussiate, red, 100 lb bbls. D	...	.85
500 lb casks D	...	.80
Prussiate, yellow, 500 lb casks. D	.37%	.38
Salicylate, 25 lb cans. D	.70	.72

POTASSIUM—(Continued)

Sulfate, 200 lb bags, NY K ₂ O unit ....	...	.95
USP, VIII, 100 lb kegs. D	.18	.20
Sulfocyanide, CP 25 lb jars. D	...	.70
Tartrate, neutral, 100 lb kegs. D	...	.53
Titanium Oxalate, 200 lb bbls. freight allowed D	...	.35
Pumice Stone, lump, 250 lb bbls. D	.04%	.06
Lump, bags D	.03%	.05
Powdered, 350 lb bbls. D	.02%	.03
Pyridine, 50 gal. drums. gal	2.35	2.50
QUICKSILVER, see Mercury		
Quinidine Alk., 100oz tins. oz	.70	.75
Sulfate, 100oz tins. oz	...	.50
QUININE SULFATE, USP.		
American, 100oz tins. oz	...	.50
1oz tins, 100oz lots. oz	...	.57
Dutch, 100oz tins. oz	...	.50
Java, 100oz tins. oz	...	.50
Japanese, 100oz tins. oz	...	.50
QUININE ALK., USP, 100oz tins.		
Acetate oz	...	.67
Arsenate oz	...	.88
Benzoate oz	...	.88
Bisulfate, USP oz	...	.50
Citrate oz	...	.63
Dihydrochloride, USP oz	...	.66
Dibromide oz	...	.66
Dicarbonate, 10oz tins. oz	2.50	
Ethyl Carbonate, 16 oz tins. ....	...	.95
Ferrocyanide oz	...	.88
Formate oz	...	.85
Glycerophosphate oz	...	.88
Hydriodide oz	...	.88
Hydrobromide, USP oz	...	.62
Hydrochloride, USP oz	...	.62
Hydrochlorosulfate oz	...	.66

QUININE—(continued)

Hydrochloride & Urea, USP. oz	...	.88
Hypophosphite oz	...	.83
Lactate oz	...	.78
Phenolsulfonate oz	...	.88
Phosphate oz	...	.74
Salicylate, USP oz	...	.63
Tannate, USP oz	...	.45
Tartrate oz	...	.88
Valerate oz	...	.89
Small Sizes: 1oz vials or cans,		
50oz lots, 5c on extra; 5oz cans,		
50oz lots 3c on extra; 25oz cans		
50oz lots, 2c on extra; single 1oz		
vials or cans, 5c extra. All minor		
quinine salts sold and quoted basis		
100oz lots in 100oz cans. Sulfate		
and bisulfate sold basis 100oz		
lots in 100oz cans. Smaller orders		
or containers extra as above		
schedule.		
R SALT, 250 lb bbls. wks. D	.55	.70
Red Lead, see lead oxide		
Red Precipitate, see mercury.		
Resorcin, see resorcinol.		
Resorcinol tech. 100 lb kegs. D	1.50	1.55
USP, 25 lb cans D	2.00	2.10
Rochelle Salt, USP, 225 lb bbls. D	...	.21
Imp. USP, 300 lb bbls. D	.19	.21
Rosewater, triple, 5 gal. demis. gal	.90	1.10
Rotten Stone, lump imp., bbls. D	.07	.09
Lump selected, bbls. D	.09	.12
Powdered, bbls. D	.02	.05
Domestic, bags, mines. ton	24.00	30.00



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Chemicals

SACCHARIN, USP, 1 lb cans, 25 lb			Soap, Castile, 40 lb bxs.....lb			SODIUM ACETATE, crys 450 lb bbls		
Soluble, USP, 1 lb cans, 25 lb.....lb	1.90	: 2.00	Powd. USP, 250 lb bbls.....lb	.28	: .29	Wks.....lb	...	: .07 1/4
Safrol, 60 lb cans.....lb	.55	: .60	Green, USP, 150 lb kegs.....lb	.07	: .07 1/4	Ton lots, bbls, wks.....lb	...	: .07
Sal Ammoniac, see Ammon. Chloride			Soapstone, see Talc, crude			Imp. 500 lb casks.....lb	...	: .07
Salicin, USP, 1 lb cartons, 25 lb.....lb	5.00	: 5.25	Prices on soda alkalies are based on actual percentages and not N. Y. & L. test.			Aluminum Sulfate, see alum soda.		
Salol, USP, 100 lb drums.....lb	.95	: 1.00	SODA ASH, 58% light bgs NY			Benzoate, USP, 250 lb bbls.....lb	.64	: .70
Second Hands.....lb	.85	: .90	flat, ex-warehouse.....100 lb	...	: 2.00	Bicarbonate, 400 lb bbls NY100 lb	...	: 2.25
Salt, Common, see sodium chloride.			Bbls., ex-warehouse.....100 lb	...	: 2.25	Bbls. c/l wks.....100 lb	...	: 2.00
Salt Cake, c/l f.o.b. wks.....ton	28.00	: 30.00	Contract, Basis 48% bags c/l	...	: 1.20	112 lb kegs wks.....100 lb	...	: 2.25
SALTPETRE, Double Refined			wks.....100 lb	...	: 1.20	112 lb kegs, NY.....100 lb	...	: 2.50
Granular, 400-500 lb bbls, c/l wks.....lb	...	: .06	Prompt and spot, Basis 48% bags c/l wks.....100 lb	1.25	: 1.30	Bichromate, 600 lb casks wks.....lb	.07 1/4	: .08
Less c/l works, bbls.....lb	...	: .06 1/4	Soda Ash, 58% dense, bags ex-warehouse, NY.....100 lb	...	: 2.07	Casks, c/l wks.....100 lb	.07 1/4	: .07 1/4
Large Crystals, 350-400 lb bbls, c/l wks.....lb	...	: .07 1/4	Bbls., ex-warehouse.....100 lb	...	: 2.30	Bisulfite, dry powder, 500 lb bbls, wks.....lb	.04	: .04 1/4
Small Crystals, 350-400 lb bbls, c/l wks.....lb	...	: .07	Contract, Basis 48% bags c/l wks.....100 lb	...	: 1.25	Solution, 32-40°, 500 lb bbls wks.....100 lb	1.15	: 1.80
Powdered, bbls, c/l wks.....lb	...	: .07	Pmpt. and spot, Basis 48% bags c/l wks.....100 lb	1.30	: 1.35	Bromide, USP, Cryst 500 lb bbls.....lb	...	: .25
Imported, 500 lb bbls, NY.....lb	.06 1/4	: .06 1/4	SODA, CAUSTIC, 76% solid, resale, NY flat.....100 lb			Cases, 100 lb.....lb	...	: .26
Santonin USP, 1 lb bot.....lb	175.00	: 177.00	76% solid drs. ex-warehouse NY.....100 lb	...	: 3.70	Imp. USP, 112 lb cs.....lb	.17	: .17 1/4
Powd, 1 lb bot.....lb	178.50	: 178.50	Contract basis 60% c/l wks.....100 lb	...	: 2.50	Cacodylate, USP, 5 lb bot, 25 lb.....lb	6.00	: 6.25
Saponin, ex Quillaia, 5 lb tins.....lb	1.25	: 1.54	Pmpt and spot, Basis 60% c/l wks.....100 lb	2.57 1/4	: 2.60	Carbonate, sal soda, 350 lb bbls lc/l NY.....100 lb	1.80	: 1.35
Schaeffer's Salt, 250 lb bbls.wks.....lb	.60	: .65	Contract 60% low grade c/l wks flat.....100 lb	...	: 2.65	Works c/l.....100 lb	1.10	: 1.30
Scopolamine, see hyosine.			Ground & flake, 76% pmpt and spot, wks c/l drs.....100 lb	...	: 3.65	Monohydrate, 400 lb bbl, lc/l.....100 lb	...	: 2.45
Seidlitz Mixture, 225 lb bbls.....lb	.17	: .18	Contract, 76% drums, c/l wks flat.....100 lb	...	: 3.60	Pure photographic, 100 lb keg.....lb	.08	: .09
SILICA			76% drs. ex-warehouse NY100 lb	...	: 4.15	Chlorate, 112 lb kegs, wks.....lb	.06 1/4	: .07
Crude, bulk, mines.....ton	10.00	: 12.00	USP, stick, 10 lb cans.....lb	.19	: .21	Imported, 112 lb kegs.....lb	...	: .07
Refined, floated, bags.....ton	18.00	: 30.00	Pure, stick, by alcohol.....lb	.25	: .27	Chloride, tech 200 lb bags,ton	12.00	: 15.00
Air floated, bags.....ton	32.00	: 50.00				C. P. 300 lb bbls.....lb	.05	: .08
Extra, floated, bags.....ton	55.00	: 65.00				Citrate, USP, IX, 100 lb kegs.....lb	...	: .62
SILVER, metal, American.....oz	...	: .99 1/4				USP, VIII, 100 lb kegs.....lb	...	: .55
Foreign.....oz	...	: .98 1/4				Cyanide, 96-98%, 100 lb cases wks.....lb	...	: .23
Colloidal, 16oz bot.....oz	...	: 1.60				Ton lots, wks.....lb	...	: .23
Silver Iodide, 16oz bot.....oz	...	: .65				73-76%, 100 lb cases, wks.....lb	...	: .20 1/4
Nitrate, USP, 200oz bot.....oz	.43	: .43 1/4				Imp. 128%, 200 lb cases.....lb	.21	: .22
Nucleinate, 16oz bot.....oz	.32	: .37				120%, cases.....lb	.19 1/4	: .20
Proteinate, 16oz bot.....oz	.34	: .39				Fluoride, 350 lb bbls, NY imp.....lb	.09 1/4	: .09 1/4

Soda Ash
Modified Soda
Bicarbonate of Soda



Caustic Soda
Special Alkali
Textile Soda

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Diamond Caustic Soda is particularly recommended for all mercerizing processes. Uniform high quality and practical freedom from impurities assures a higher luster to the goods. Warehouse stocks carried by dealers in principal cities, or shipments direct from Works in carloads.

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GENERAL OFFICES PITTSBURGH, PA.

Chemicals

SODIUM—(Continued)


Glycerophos, USP, crys 25 lb	1.70	1.75
cana	1.75	1.80
Powder, 25 lb tins	1.00	1.05
Solution, USP 25 lb tins		
Hydroxide, see Soda Caustic		
Hypochlorite, Soln, 100 lb cys, lb	.05 1/4	.06
Hydrosulphite, 200 lb bbls, fob, wks, lb	.19	.22
Hypophosphite, USP, 25 lb cans		.75
HYPOSULFITE, tech. pea crys.		
375 lb bbls. wks. 100 lb	3.50	3.75
Bbls. c/l wks. 100 lb		3.25
100 lb kegs wks. 100 lb	3.75	4.00
Granulated, bbls. wks. 100 lb	3.75	3.90
Bbls. c/l wks. 100 lb		3.75
Kegs wks. 100 lb	4.20	4.50
Regular crystals 100 lb	2.75	3.00
Iodide, USP, 150 lb jars		4.25
Metanilate, 150 lb bbls	.55	.60
Naphthalonate, 300 lb bbls	.58	.59
Nitrate, crude, 95%, 200 lb bgs		
c/l NY 100 lb		2.60
Futures, NY 100 lb		2.62 1/2
Double Refined, 400 lb bbls		
gran c/l wks. 100 lb		.04 1/4
Nitrate, 500 lb bbls wks	.09	.09 1/4
Bbls. spot, makers		.09 1/4
Imp. 650 lb cases	.08 1/4	.08 1/2
Ortho-Chloro-para-Toluene Sul-		
fonate, 175 lb bbls wks. lb	.25	.27
Oxalate, neutral, 100 lb kegs		.47
Perborate, 275 lb bbls		.24
Imp, 225 lb drs	.18	.19
Peroxide, 200 lb cases	.25	.27
Phosphate, di-sodium, tech 550 lb		
bbls.	.03 1/4	.03 1/2
USP, gran. 275 bbls	.07	.07 1/2
Imp. gran.	.05 1/4	.06
USP, rerry 275 bbls	.10	.11
Mono-sodium 100 lb kegs	.24	.26
Tri-sodium tech. c/l, bbls.	.04 1/4	.05
Picramate, 100 lb kegs		.60

SODIUM—(Continued)

Para-Toluene Sulfonate, 175 lb		
bbls	.08	.09
PRUSSIAN, yellow, 450 lb cks. lb	.18 1/4	.19
Pyrophosphate, 100 lb kegs	.18	.22
Salicylate, 100 lb kegs	.52	.57
Second Hands, USP, kegs	.45	.47
Silicate, 60° 700 lb bbls. f.a.s		
NY 100 lb		2.00
Works, 1000 lb drums		1.90
Works, tanks 1000 lb		1.75
40° domestic, 700 lb c/l f.o.b.		
wks. 100 lb		.80
Works, 1000 lb drums		.82 1/4
Works, tanks 100 lb		.75
Spot, drums, bbls 100 lb	1.25	1.50
Silicofluoride, 450 lb bbls NY	.07 1/4	.08
Sulphate, see Glauber's Salt.		
Sulfide, 60% solid, 650 lb drs		
lc/l wks.	.05	.05 1/4
Drs. c/l wks.		.04 1/4
Imp, 700 lb drs NY		.04
60% broken, 650 lb drs wks.	.05 1/4	.05 1/2
Imp, 500 lb drs NY		.04 1/4
30% crys. 400 lb bbls wks.	.02 1/4	.03
Imp, 400 lb bbls		.02 1/2
Sulfite, crys, 400 lb bbls wks.	.03 1/4	.03 1/2
Dessicated, 400 lb bbls	.09 1/4	.10
Sulfocarbonate, USP, 100 lb		
kegs	.36	.38
Sulfocyanide, 400 lb bbls	.45	.47
Tungstate, crys 100 lb kegs		.55
Dessicated, kegs		.65
Solvent Naptha, see Naphtha.		
Spartein Sulfate, USP, 250c bulk	.60	.70
Single oz. vial		.60
Starch, rice, 140 lb bags	.09	.10

STRONTIUM Bromide, USP, 100 lb

kegs		.33
Carb. 600 lb bbls. wks.		.07
100 lb kegs wks		.08
Iodide, USP, 25 lb jars		4.00
Nitrate, 600 lb bbls. wks.	.11	.11 1/2
Imp, bbls, NY	.08 1/4	.10
Salicylate, USP, 100 lb kegs		.65
STRYCHNINE Alkaloid, USP, crys		
1000s tins		1.15
Alk. powd, USP		1.05
Acetate		1.05
Glycophosphate, USP		1.05
Hydrobromide		1.05
Hydrochloride		1.05
Hypophosphite		1.13
Nitrate, USP		1.05
Phosphate		1.05
Sulfate, USP, crys powd.		.84
Saccharinate		2.15
Strychnine preparations quoted have		
1000s lots in 1000s tins. Small Sizes:		
1/4 oz vials, 50c extra; 1/2 oz vials, 25c		
extra; single ounce vials, 7c extra. Lots		
of 25 ozs. 5c higher than above		
schedule. Lots of less than 25 ozs.		
10c higher per oz.		
Sugar Milk, USP, 200 lb bbls	.21	.22
Second Hands, USP, bbls	.23	.24
Sulfonal, see Sulfonmethane.		
Sulfonmethane, USP, 5 lb bxs.		3.75
Sulfonethylmethane, USP, bxs, 5 lb		4.75
SULFUR, crude, bulk, c/l NY		18.00
Crude, f.o.b. plant	14.00	15.00
Brimstone, 250 lb bgs, c/l 100 lb	1.75	1.95
Less c/l bags NY	1.85	2.10
Roll, 500 lb bbls c/l NY		2.15
Less c/l bags NY	2.20	2.45
Flour, Heavy, 290 lb bbls, 100 lb	2.50	3.05
Light, 100%, 260 lb bbls, 100 lb	2.60	3.15
Rubermakers 100% 240 lb		
bbls. NY	2.60	3.15



SOLVAY

STANDARD IN
SODA
SINCE 1881

Sales Agent

WING & EVANS

INC.

NEW YORK - 40 Rector St.

CHICAGO - 30 N. Dearborn St.

CLEVELAND - 1848 Scranton Road

PITTSBURG - 331 Fourth Ave.

BOSTON - 77 Summer St.

CINCINNATI - Winton Place

DETROIT - Real Estate Exch. Bldg.

SYRACUSE -

SOLVAY products are sold on the basis of *Actual Alkali content*

SOLVAY 58% Soda Ash Contains 58% of *Actual sodium oxide*

SOLVAY 76% Caustic Soda Contains 76% of *Actual sodium oxide*

Specify SOLVAY—the standard in SODA since 1881

THE SOLVAY PROCESS COMPANY

Detroit, Mich. Syracuse, N. Y.
Hutchinson, Kans.

Chemicals

SULFUR—(continued)

Commercial, 99%, 150 lb bgs		
NY	1.35	1.35
For Dusting, 99%, 100 lb bgs NY	2.00	2.50
Flowers, 100%, 240 lb bbls NY	3.00	3.55
Precipitated, 125 lb bbls NY	.14	.18
Lac, 125 lb bbls NY	.07	.10
Sulfur Chloride, red, 700 lb drs wks	.05	.08
150 lb chys wks	.05	.06
Yellow, 700 lb drs wks	.05	.06
150 lb chys wks	.05	.06
Sulfur Dioxide, 100 lb cpl	.08	.08½
Iodide, USP, VIII, 5 lb bot		4.55
Sulfuric Ether, see Ether		
Sulfuryl Chloride, 600 lb drs		.70
TALC, Italian, 220 lb bags NY	35.00	40.00
Refined, white, bags	42.00	55.00
French, 220 lb bgs NY	25.00	30.00
Refined, white, bags	32.00	45.00
Dom, crude, 100 lb bags NY	15.00	18.00
Refined, 100 lb bags NY	20.00	30.00
Tartar Emetic, tech. 700 lb bbls	.27	.27½
USP, 300 lb bbls	.34½	.35½
Terpin Hydrate, USP, 100 lb kegs	.73	.75
Terpineol, CP 1000 lb drums	.53	.55
Cans, 50 lb	.58	.60
Imported, cans, 25 lb		1.00
Terpenyl Acetate, 25 lb cans	1.65	1.85
Terra Alba, No. 1, 300 lb bbls	1.85	1.90
No. 2, bbls	1.25	1.35
Theobromine Alk., 5 lb cans		6.00
and Sod. Salicylate, 1 lb bot		4.00
Thiocarbamid, 170 lb bbls	.28	.30
Thymol, USP, 10 lb cans	3.00	3.25
Iodide, 5 lb boxes		6.75
TIN, Metal Straths, NY		49.50
American standard, NY		48.00
99% American, NY		48.00
C.P. mossy, 25 lb bxs NY		

Tin—(continued)

Bichloride, 50% soln 100 lb bbls wks	.13½	.14
Crystals, 500 lb bbls wks		.36½
100 lb kegs wks		.37
Oxide, 400 lb bbls wks		.53
100 lb kegs wks		.54
Tetrachloride, 1000 lb drs wks		.27½
Tollidine, 350 lb bbls	.95	.97
Sulfate, 350 lb bbls		1.00
Toluene, 8000 gal tank cars, wks gal		.30
110 gal drs wks		.35
Toluidine, Mixed, 900 lb drs wks	.27	.28
Tribromphenol, 100 lb cases		1.00
Triphenyl Phosphate, 450 lb bbls		.45
Tripoll, 500 lb bbls	2.50	3.00
Tungsten NY	7.75	8.00
UREA, pharm 112 lb cases		.40
VANILLIN, USP, 400 oz cans	.41	.41½
Cans, 80 ozs		.41½
Cans, 16 ozs		.42½
Vermilion, Amer. 100 lb kegs		.35
English, kegs		1.30
Veratrine Sulfate, 1 oz vial		2.50
Hydrochloride, 1 oz vial		2.50
WHITE LEAD, see lead, white		
White Precipitate, see mercury		
Whiting, 200 lb bags, c/l wks ton		18.00
Bags, 1 c/l wks		20.00
Gilders, bags	13.50	15.00
French, bags, NY		18.00
English, bags, NY		23.00
Witch Hazel Extract, 50 gal bbls gal	1.20	1.25

XYLENE, 2° dist range, nitration

ths wks		
110 gal. drs wks		
5° dist. range, 8000 gal tanks wks		
110 gal. drs wks		
Commercial, 110 gal drs, wks gal		.34
Tanks, wks		.29
Xylidine, 900 lb drs	.41	.45
YARA YARA, 1 lb tins	2.00	2.50
Yohimbin Hydrchloride, 1 oz. vial. oz	5.00	5.50
ZINC, METAL, high grade, slabs c/l NY		8.50
Common Slabs, c/l NY	8.10	8.15
Mossy, 25 lb bxs NY		.16
Ammonium Chloride, soln, 400 lb bbls		
Carb. tech, 150 lb kegs NY	.14	.16
USP, 100 lb kegs		.30
Chloride, fused, 600 lb drs wks		.07
Drs. c/l wks		.05½
Imp. drs NY	.08	.08½
Granulated, 500 lb bbls wks	.08	.09
Imported, drs. NY	.08	.06½
USP, 25 lb jars		.20
Cyanide, 100 lb drs	.42	.43
Dust, 100 lb tins wks	.09	.11
500 lb bbls, kegs, 1 c/l wks	.09½	.09½
500 lb bbls, kegs, c/l wks	.08½	.09
Iodide, 5 lb bottles		5.20
Nitrate, 25 lb jars		.35
Oxide, Amer. 300 lb bbls wks	.07½	.08
Bbls c/l wks		.07½
French, 300 lb bbls wks	.09½	.11½
Bbl c/l wks	.09½	.11½
Bags, c/l wks	.09½	.10½
USP, 100 lb bbls. c/l		.15½
Ton lots, wks		.16½
Imported, white seal, bbls		.12½
Green seal, bbls		.10
USP, 100 lb bbls	.15	.17
Stearate, USP, 60 lb bbls	.19½	.21
Sulfate, 400 lb bbls wks	.03½	.03½
Bbls c/l wks		.02½
USP, 100 lb kegs	.08	.09
Sulfocarbonate, 100 lb kegs	.35	.37

NITRATE SODA

DOUBLE REFINED CRYSTALS
GRANULATED OR POWDERED



BATTELLE & RENWICK

Estb. 1840 Manufacturers Incp. 1902
80 Maiden Lane, New York, N. Y.



Super-Filtchar
(Decolorizing and Deodorizing Carbon)

**FULLERS EARTH
CHARCOAL**

Alcohol
(Ethyl and Denatured)

**PRECIPITATED CHALK
WHITING**

INDUSTRIAL CHEMICAL CO.

200 Fifth Avenue, New York City

Tel: Gramercy 3242

Oils and Fertilizers

Oils

Castor, No. 1, 400 lb bbls.....	.14	: .14½
80 lb cases.....	.15	: .15½
No. 3, bbls.....	.13½	: .14
Blown, 400 lb bbls.....	..	: .15½
China Wood, bbls, spot NY.....	.21	: .22
8000 gal. tks. NY.....	..	: ..
Apr-May, forward, tanks, NY.....	..	: .19½
Coast, tanks, Apr. forward.....	..	: .18
Cocunut Ceylon, 375 lb bbls. NY.....	.09½	: .09½
8000 gal. tanks, NY.....	.08½	: .08½
Cochin, 375 lb bbls, NY.....	.10½	: .10½
Tanks, NY.....	.09½	: .09½
Manila, tanks, Coast.....	.08	: .08½
Edible, bbls. NY.....	.10½	: .11
Cod Newfoundland 50 gal. bbls. gal.	.70	: .71
Tanks, NY.....	.68	: .69
Copra, bags.....	.05½	: .05½
Corn, ref. 375 lb bbls. NY.....	..	: .13½
Crude, tanks mills.....	.10½	: .10½
Bbls. NY.....	.12½	: .13
COTTONSEED, crude tks. mills.....	..	: .10½
P. S. Y. 100 bbl. lots NY.....	..	: .11½
White, 100 bbl. lots NY.....	..	: .14
Winter yellow, 100 bbls. NY.....	.13½	: .14
Dezrae, Amer. 50 gal. bbls. NY.....	..	: .04½
English, bbls. NY.....	.04½	: .05
Neutral, bbls. NY.....	.09	: .14
Grease, choice white bbls, NY.....	.10½	: .10½
Yellow.....	..	: .08½
Brown.....	..	: .08½
House.....	..	: .08½
Bone naphtha.....	..	: .08½
Herring, Tanks, Coast.....	..	: ..
Horse, 375 lb bbls. NY.....	..	: ..
Lard, prime steam bbls.....	..	: .13½
Compound, bbls.....	..	: .13
LARD OIL, Edible prime, bbls.....	..	: .15½
Off prime, bbls.....	..	: .14½
Extra, bbls.....	..	: .13½
Extra No. 1, bbls.....	..	: .13½
No. 1 bbls.....	..	: .13
No. 2 bbls.....	..	: .12½

LINSEED, raw c/l bbls. spot.....	gal	...	: .99
Five bbls., raw.....	gal	...	: 1.02
Bottled, 5 bbl. lots.....	gal	...	: 1.05
Double bottled 5 bbl. lots.....	gal	...	: 1.08
Raw, Mar. c/l bbls.....	gal	...	: .99
Mar.-Apr., c/l bbls.....	gal	...	: .99
Imported, bbls., NY.....	gal	.98	: 1.00
Menhaden, crude, bbls, wks.....	gal	...	: .53
Crude, tanks wks Balt.....	gal	...	: .51
Light strained, tanks.....	gal	...	: .73
Light strained, bbls, NY.....	gal	.75	: .76
Yellow bleached, bbls, NY.....	gal	...	: .78
Blown, bbls, NY.....	gal	...	: .86
Neatsfoot, 20° c.t. bbls. NY.....	..	: .18½	: .20
30° cold test, bbls. NY.....	..	: .15½	: .14
Prime, bbls, NY.....	..	...	: .15½
Olse Oil, No. 1, bbls. NY.....	..	: .13½	: .13
No. 2, bbls, NY.....	..	: .11½	: .11
No. 3, bbls, NY.....	..	: .10	: .10½
OLIVE, denatured bbls. NY.....	gal	1.15	: 1.17
Edible, bbls, NY.....	gal	1.80	: 2.20
Foots, bbls, NY.....	..	: .09½	: .09
Shipment.....	..	: .08½	: .08
Palm Lagos, 1500 lb casks.....	..	: .08	: .08½
Niger, casks.....	..	: .07½	: .07½
Bonny old Calabar, casks.....	..	: .07½	: .07
Palm Kernel, 1500 lb casks NY.....	..	: .09½	: .09½
Peanut, refined bbls, NY.....	..	: .17	: .17½
Crude, mills buyers' tks.....	..	: .14	: .14
Crude, bbls, NY.....	..	: .15	: .15
Apr. Arriv. f.o.b. NY bbls.....	..	: .15½	: .16½
Perilla, bbls, NY.....	..	...	...
Apr.-May, ship. bbls, NY.....	..	: .15½	: .16
Poppseed, bbls, NY.....	gal	...	: 2.50
Rapeseed, refined bbls, NY.....	gal	.85	: .86
Blown, bbls, NY.....	gal	...	: 1.05
Red Oil, distilled, bbls.....	..	: .12	: .12½
Saponified, bbls.....	..	: .12	: .12½
Salmon, 8000 gal. tks. Coast.....	gal	...	: ...
Sesame, domestic edible bbls.....	gal	...	: 1.20
Sod Oil, bbls, NY.....	gal	...	: .45

SOYA BEAN, crude tks. Coast.....	lb	10½	: 10½
Crude, Tks. D.P., NY.....	lb	10½	: 10½
Crude, bbls, NY.....	..	12½	: 12½
Refined, bbls, NY.....	..	12½	: 13
Amer. pressed, crd. bbls, NY.....	..	12	: 12
Sperm, 38° c. t. bldd. bbls, NY.....	gal	1.09	: 1.09
45° cold test, bldd. bbls, NY.....	gal	1.04	: 1.04
STEARIC ACID, s. p. 200 lb bags.....	lb	12½	: 12½
Double pressed, bgs.....	..	14½	: 15
Double pressed, bgs, saponified.....	..	14½	: 15
Triple pressed, bgs, distilled.....	..	16	: 16½
Triple pressed, bgs, saponified.....	..	16	: 16½
Stearine, oleo, bbls.....	..	10½	: 10½
Lard, bbls.....	..	12½	: 12½
Tallow, edible, tierces.....	..	10½	: 10½
City extra, loose.....	..	09½	: 09½
Tallow Oil, acidless tks, NY.....	..	11½	: 11½
Bbls., c/l NY.....	..	12½	: 12½
Teaseed, crude bbls, NY.....	..	12½	: 12½
Walnut, crude bbls, NY.....	..	12½	: 12½
Whale, nat. winter bbls, NY.....	gal	73	: 73
Bldd. winter bbls, NY.....	gal	75	: 75
Extra Bldd. bbls, NY.....	..	78	: 78
Crude, No. 1, tanks Coast.....	..	..	: ..
Crude, No. 2, tanks Coast.....	..	..	: ..
Crude No. 3, tanks Coast.....	..	..	: ..

Fertilizer Materials

Ammon. Sulf. bulk wks.....	100 lb	..	: 3.50
Double bgs. f.a.s. NY.....	100 lb	..	: 3.90
Blood, dried f.o.b. NY.....	unit	..	: 4.75
Bone, 3 & 50 ground raw.....	ton	..	: 32.00
Raw, Chicago.....	..	:	30.00
Cyanamide wks.....	unit	2.20	: 2.25
Fish Scrap, dried wks.....	unit	5.35	: .10
NITRATE SODA, NY.....	100 lb	..	: 2.62½
Phosphate Rock, f.o.b. mines, Florida pebble, 63-75%.....	ton	3.00	: 5.50
Tennessee, 70-75%.....	ton	3.00	: 3.25
Phosphate Acid, 16% Bulk wks.....	ton	..	: 10.00
Potassium Murate, 80%.....	unit	..	: .68
Sulfate.....	unit	..	: .93
Steamed Bone Meal, NY.....	ton	..	: 35.00
Tankage, ground NY.....	unit	4.50	: .10
High grade, f.o.b. Chicago.....	unit	4.50	: .10

QUALITY SERVICE

B.G. FEINBERG

111-WATER STREET
NEW YORK CITY

NAPHTHALENE

FLAKES BALLS

PARIS GREEN

PARA-NITROSO-DIMETHYL ANILINE

CARBON TETRACHLORIDE

TRUTH VALUE

Coal Tar Disinfectants

Phenol coefficients 2 to 20. Rideal-Walker Test. Produce white emulsion free from deposit. Phenol coefficients guaranteed.

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JAYNE & SIDEBOTTOM, INC. 17 Battery Place

Established 1855

Stearic Acid Red Oil Dynamite Glycerine "Beehive Brand" Sunbleached Beeswax Refined Yellow Beeswax

The greatest care is taken to see that our qualities are always kept uniform

Will & Baumer Candle Co., Inc.

Syracuse, N. Y.

For prompt reply, please address

Department S. A.

Tannins and Dyestuffs

Naval Stores

(Carloads ex-yard N. Y.)

Spirits Turpentine, bbls.	gal	1.54
Wood Turpentine, stm. distd. bbls.	gal	1.43
Destructive distilled, bbls.	gal	1.15
Pitch, prime	bbl	6.00
Resins. (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb)		
B	280 lb	6.15
D	280 lb	6.35
E	280 lb	6.35
F	280 lb	6.40
G	280 lb	6.40
H	280 lb	6.40
I	280 lb	6.40
K	280 lb	6.40
M	280 lb	6.50
N	280 lb	7.00
WG	280 lb	7.25
WW	280 lb	8.10
Resin Oil, first run, 50 gal. bbls.	gal	.47
Second run, bbls.	gal	.49
Tar, kiln-burnt	bbbl	12.50
Retort	bbbl	13.50

Woods

Barwood, chips	b	.04%	.05
Camwood, chips	b	.09	.13
Divi Divi, pods 100-200 lb bags.	ton	32.00	34.00
Fustic, sticks	ton	35.00	37.00
Chips	b	.04	.06
Hemlock, bark	ton	16.00	18.00
Hyperic, chips	b	.06%	.07
LOGWOOD, sticks	ton		30.00
Chips 150 lb bags	b	.02%	.03
Mangrove bark, African	ton		35.00
Bark, South American	ton	25.00	30.00

Myrabolans, 150 lb bags J1	ton	28.00
B1	ton	24.00
B2	ton	17.00
Nutgalls, see Crude Drugs		
Oak bark, whole	ton	20.00
Ground	ton	25.00
Quercitron bark, rough	ton	10.00
Ground	ton	20.00
Sumac, Sicily, 160 lb bags	ton	57.00
Virginia, 150 lb bags	ton	35.00
Valonia Cups, 28-33% tan	ton	31.00
Beard, 40% tan, 150 lb bgs.	ton	48.00
Wattle bark, 150 lb bags	ton	38.00

Extracts

Range of prices includes quality
range for large quantity.

Anatto, fine	b	.26	.29
Archil, double 600 lb bbls.	b	.16	.18
Triple, 600 lb bbls.	b	.17	.19
Cone, 600 lb bbls.	b	.14	.20
Chestnut, clarified, 25% tks. wks. ton			2.00
Bbls. wks.	b	.02%	.03%
Powd., 60% 100 lb bbls. wks.	b	.05%	.05%
Decolorised, bbls. wks.	b	.09	.09%
Cudbear, English	b	.21	.23
Cutch, Rangoon, 100 lb bales	b	.13	.16
Borneo, solid, 100 lb bales	b	.04%	.05%
Liquid, 450 lb bbls.	b	.10	.11
Tablets, 120 lb boxes	b	.13	.14
Flavine	b	.90	.95
Fustic, solid 50 lb boxes	b	.14	.18
Crystals, 100 lb boxes	b	.22	.24
Liquid, 51°, 600 lb bbls.	b	.10	.14
Gal extract	b	.16	.18
Gambier, 25% liq. 450 lb bbls.	b	.06%	.07
Common, 200 lb cases	b	.05%	.05%
Singapore cubes, 150 lb bags	b	.07	.07%
NEMATINE, Paste, 500 lb bbls.	b	.11%	.13%
Crystals, 400 lb bbls.	b	.16	.20
Hemlock, 25% 600 lb bbls. wks.	b	.03%	.03%
Hyperic, 51°, 600 lb bbls.	b	.15	.20
Indigo, Madras bbls.	b	.85	.90
Manilla, bbls.	b	1.30	

Larch, 25%, 600 lb bbls. wks.	b	.03%	.03%
Powd. 100 lb bags, wks.	b	.07%	.08
Logwood, 51°, 450 lb bbls.	b	.07%	.12%
Solid, 50 lb boxes	b	.15	.21
Madder, Dutch	b	.28	.30
Mangrove, 55% 400 lb bbls.	b	.05%	.05%
Myrabolans, 25% liquid bbls.	b	.04	.05
50% solid, 50 lb boxes	b	.04%	.05
Oak, tanks wks.	b	.04%	.04%
23-25% liq. 600 lb bbls. wks.	b	.05	.05%
Osage Orange, 50° liquid	b	.07	.08
Powd. 100 lb bags	b	.15	.16
Persian Berries	b	.27	.30
QUEBRACHO, 35% liquid tks.	b	.03%	.03%
450 lb bbls.	b		.04%
35% bleaching, 450 lb bbls.	b	.04%	.05%
Solid 65% 100 lb bales	b	.04%	.05%
Clarified bales	b		.06
Quercitron, 51° 450 lb bbls.	b	.06	.07
Powdered, 100 lb boxes	b		.13
Spruce, 25% liquid tanks wks.	b	.01	.01%
Powd. 50% 100 lb bags wks.	b	.02	.03%
Sumac, liquid 450 lb bbls.	b	.07	.09

DYE'S' SUNDRIES

Ibument, technical, egg 200 lb cs.	b		.88
Blood, domestic, 100 lb drs.	b		.35
British Gum, 140 lb bags c/l 100 lb	b		3.39
Bags lc/l	b		3.67
Dextrin, corn 140 lb bags c/l 100 lb	b		3.09
Bags lc/l	b		3.37
Potato 140 lb bags c/l 100 lb	b		.69
Bags lc/l	b		.69
Prussian blue	b	.60	.62
Sago Flour, 150 lb bags	b	.03%	.03%
Spray Yolk 150 lb cs.	b	.35	.45
STARCH, powd. 140 lb bgs. c/l 100 lb	b		2.47
Bags lc/l	b		2.75
Pearl, 140 lb bags c/l 100 lb	b	2.37	2.65
Potato, domestic, 140 lb bags	b	.05%	.05%
Imported, bags duty paid	b	.06%	.07%
Taploca Flour, high grade bags	b	.05	.05%
Medium grade, bags	b	.03%	.04
Low grade, bags	b	.03	.03%
Turkey Red Oil, bbls.	b	.09	.11
Yolk Oil, bbls.	b		.35

CLARENCE MORGAN & COMPANY

Manufacturers Representative

FORMALDEHYDE
METHYL ACETONE
WOOD ALCOHOL

For account of Thomas Keery Co., Inc.

Deliveries from Spot Stocks
355 W. ONTARIO ST.

CHICAGO
SUPERIOR 8870

MONO-HYDRATED COPPER SULPHATE

A fine powder of high copper content, the basis of the fungicidal copper dusts

Mixed in right proportions with slacked lime, it is ideal for dusting fruit trees and vegetables to control fungous diseases.

TRIANGLE BRAND

NICHOLS COPPER CO.

25 Broad St.



New York

Crude Drugs

Crude Drugs

Aceroides Gum, yel.	lb	.18	.20
ACONITE Leaves, bales	lb	.16	.17
Aconite Root, USP, bags	lb	.35	.40
Agar Agar, 1, 200 lb bales	lb	1.80	
No. 2, bales	lb	1.65	
No. 3, bales	lb	1.55	
Agaric, white, cases	lb	...	...
Almonds, bitter bags bxs	lb	.32	.35
Sweet, bags	lb	.45	.46
Meal, tins, boxes	lb	.28	.30
Aletris Root, bags	lb	.60	.62
Alkanet Root, bags	lb	.08	.10
Aloes, Barbados, 120 lb bbls	lb	.70	.75
Cape, 400 lb cases	lb	.07½	.08
Curacao, 100 lb cases	lb	.08½	.09
Socotrine, whole 100 lb cs	lb	.30	.32
Althea Root, cut cases	lb	.15	.16
Whole bags	lb	.09	.10
Ambergris, black boxes	cs	...	8.00
Grey, boxes	cs	...	28.00
Ammoniac, tears, bags	lb	1.35	1.40
Angelica Root, dom, bags	lb	.14	.15
Angostura Bark, bags	lb	.16	.15
Anise, Levant bags	lb	.17	.17½
Star, cases	lb	.14½	.15
Spanish, bags	lb	.26	.27
Annatto Seed, bags	lb	.00	.07
ANABIC GUM, 200 lb cases	lb	.26	.27
Seconds, 250 lb bags	lb	.22	.24
Sorts, amber, 200 lb bags, bbls	lb	.15½	.16
Powd., USP, 300 lb bbls	lb	.22	.23
Arca Nuts, 150 lb bags	lb	...	.09
Powd., 200 lb bbls	lb	...	.12
Arnica Flowers, bales	lb	.11	.11½
Root, bags	lb	.20	.22
Arrowroot, Amer. powd. bbls	lb	.05½	.06
St. Vincent, powd. bbls	lb	.14	.15
Asafetida, USP, 250 lb cases	lb	.32	.35
Powd., 50 lb bxs	lb	.55	.60
BALM GILEAD BUDS, bags	lb	.45	.47
Balmory Herb, bales	lb	...	.14

BALSAMS

Copaiba, Para, 80 lb cs	lb	.23	.25
South American, 80 lb cs	lb	.28	.29
Fir Canada, cans	gal	11.00	12.00
Oregon, bbls, cans	gal	...	3.00
Peru, 120 lb cases	lb	1.90	2.00
Tolu, 90 lb cases	lb	.80	.85
Bamboo Erier Root, bags	lb	.06	.07
Barberry Bark, tree bales	lb	.22	.24
Bayberry Bark, bales	lb	.10	.12
Wax, bbls	lb	.35	.38
Belladonna Leaves, bales	lb	.17	.18
Root, bags	lb	.12	.13
Bee Wax, white bbls	lb	.36	.37
Yellow, refined bbls	lb	.23	.26
Crude, bags	lb	.30	.32
Benzoin Gum, Siam, boxes	lb	1.00	1.10
Sumatra, 80 lb boxes	lb	.32	.35
Berberis Aquifolium Root, bags	lb	.16	.17
Beth Root, bags	lb	.18	.20
Blackhaw Bark, root, bales	lb	.41	.43
Tree, bales	lb	.35	.36
Blood Root, bags	lb	.13	.15
Blueflag Root, bags	lb	.23	.25
Roldo Leaves, bales	lb	.20	.21
Boneset Herb, bales	lb	.08	.10
Borage Flowers, bales	lb	.23	.30
Bryonia Root, bags	lb	.10	.11
BUCHU LEAVES, short, 250 lb	lb	.95	.97
bales	lb	1.00	1.03
Less, bales	lb	...	...
Long, bales	lb	...	...
Buckthorn Bark, bales	lb	.07	.08
Burdock Root, bags	lb	...	.30
Burgundy Pitch, dom, 110 lb stads	lb	...	.05
Gross for net	lb	...	.14
Calabar Beans, bags	lb	.13	.14
Calabar Root, bleached cases	lb	.40	.45
Unbleached, bags	lb	.07	.08
Calendula Petals, imp. bales	lb	...	.30
Calisaya Bark, bales	lb	.14	.16
Camphor, see Chemicals	lb	...	...
Canary Seed, Morocco bags	lb	.06	.06½
South American, bags	lb	.05	.05½
Candella Wax, bags	lb	...	.35
Canella Alba Bark, bales	lb	.45	.47
Cannabis, true imp. bags	lb	...	5.75
American (no assay) bales	lb	.90	1.00

USP, bales	lb	...	2.00
Cantharides, Chinese cases	lb	1.05	1.10
Powd., boxes	lb	1.25	1.35
Cantharides, Russian, cases	lb	1.75	2.00
Powdered, boxes	lb	2.00	2.25
Caraway Seed, African bags	lb	...	...
Dutch, 110 lb bags	lb	.29	.30
Cardamon bleached cases	lb	1.10	1.75
Decorticated, cases	lb	1.15	1.25
Green, grinding, bags	lb	1.05	1.10
Caruba Wax, Flor. bags	lb	.45	.48
No. 1 N Country bags	lb	.40	.43
No. 2 N Country bags	lb	.33	.35
No. 3 Fatty Gray, bags	lb	.20	.21
No. 3 Chalky, bags	lb	.16½	.17
Cascara Amarga, 150 lb bales	lb	.30	.32
Cascara Sagrada, bales	lb	.14	.14½
Cascarilla Bark, quills bales	lb	.30	.35
Siftings, bbls	lb	.30	.35
Cassia Buds, 66 lb cases	lb	.15	.16
China, select, mats cases	lb	.06½	.08
Saigon, assort. bales	lb	.24	.27
Cassia Fistula, baskets	lb	...	.12
Castor Beans, bags	lb	.03	.03½
Castoreum, 1 lb bot.	lb	4.00	4.50
Catechu Gum, bags	lb	.09	.10
Catnip Herb, bales	lb	.12	.15
Celery Seed, 220 lb bags	lb	.23	.23½
Ceroid Wax, white bags	lb	.08½	.09
Yellow, 200 lb bags	lb	.07½	.08
CHAMOMILE FLOWERS, Roman	lb	1.20	1.25
Hung. cases bales	lb	.17	.19
Charcoal Willow, powd. bbls	lb	.06	.06½
Wood, powd. bbls	lb	.04	.05
Chestnut Bark, bags	lb	.07	.08
Herb, bales	lb	.06	.06½
Chicle Gum, bags	lb	.30	1.00
Chiretta, bales	lb	.13	.14
Cinchona Bark, red quills bales	lb	.50	.55
Broken, bales	lb	.16	.17
Cinnamon, Ceylon, bales, bond.	lb	.20	.22
Civet, Abyssin horns	oz	2.75	3.75
Clover Tops, bags	lb	.09	.10
Cloves, Zanzibar, 135 lb bales	lb	.27	.28
Amboyana, bales	lb
Penang, bales	lb

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Coca Leaves, Huancayo bags....D	Flowers, bales.....D15	Guaiac Gum, 80 lb cases.....D	.45	.50
Truxillo, bags.....D	.40	.45	Doggrass Root, USP, cut bags....D	.12	.14	Guarana, tins, cases.....D	.60	.75
Cobosh Root, Black bags.....D	.09	.09½	Dragons Blood, mass cases....D	.60	.62	GUM, see Arabic Gum, etc.		
Blue, bags.....D	.09	.09½	Reeds, boxes.....D	...	1.40	HELLEBORE ROOT,		
Colchicum Root, bags.....D	.08	.09	ECHINACEA ROOT, bags.....D	.33	.34	Black, pwt. bbls.....D	...	.14
Seed, bags.....D	.11	.12	Elecampane Root, bags.....D	.09	.10	White, bags.....D	.12	.14
Colombo Root, whole bags.....D	.02	.04	Elder Flowers, bales.....D	.20	.22	Powdered, 250 lb bbls....D	.16	.17
Colocynth, apples, cases, bales..D	.15	.20	Elemi Gum, 89 lb cases.....D	.10	.11	Helonias Root, (unicorn false)		
Pulp, USP, bales.....D	.55	.57	Elm, select, 5 lb bundles cases..D	.25	.27	bags.....D	...	.68
Cultisfoot Leaves, bags.....D	.06	.07	Grinding, bags.....D	.10	.12	Hemp Seed, Manchurian bags....D	.03½	.04
Cumfrey Root, bags.....D	.13	.14	Powdered, bbls.....D	.15	.16	Chilian, bags.....D	...	...
Condurango Bark, bales.....D	.07½	.08	ERGOT, 150-200 lb bags.....D	.53	.55	Henbane Leaves, bales, U.S.P....D	.48	.58
Conium Seeds, bags.....D	...	.16	Eucalyptus Leaves, bales.....D	...	.05	No assay.....D	.36	.42
Copaiba Balsam Para, see Balsams			Euphorbia Pilulifera Herb, bags..D	...	.20	Henna Leaves, bales.....D	.16	.18
Copal Gum.....D	.12	.15	Powdered, boxes.....D	...	.40	Powdered.....D	.22	.23
Coriander Seed, Bombay bags....D	.10	.11	Euphorbia Gum, cases.....D	...	.35	Honey, Calif., 120 lb cases....D	.10	.10½
Morocco, bags.....D	.11	.12	Fennel Seed, French bags.....D	.16½	.17	Hope, N. Y. prime bales.....D	.18	.20
Bleached, bags.....D	.13½	.14	German, bags.....D	.21	.22	Pacific Coast prime bales....D	.16	.18
Corn Silk, bales.....D	.05	.05½	Flax Seed, whole 180 lb bbls....ea	...	12.25	Horrebound Herb, bales.....D	...	.11
Cotton Root Bark, bales.....D	...	.15	Ground, 180 lb bbls.....D	.06½	.07	Horretail Rush, bags.....D	...	.15
Cramp Bark, so-called bales....D	...	.08	Foenugreek Seed, 200 lb bags..D	...	.08	India Gum, see Karaya		
True, bags.....D	...	.40	Fish Berries, 100-125 lb bags....D	.03½	.04	INSECT FLOWERS, open whole		
Cranesbill Root, bags.....D	.10	.11	Fringe Tree Bark, bags.....D	.17	.18	bales.....D	...	...
CUBES BERRIES, XX bags.....D	.82½	.85	GALANGAL ROOT, bags.....D	.08	.09	Closed whole, bales.....D	...	...
Powdered, boxes.....D	...	.85	Gambier Gum, bags.....D	.11½	.12	Powdered, pure 200 lb bbls..D	.70	.75
Culvers Root, bags.....D	.30	.35	Galbanum Gum, cans.....D	1.20	1.35	Flowers and stems, 50 p. &		
Cumin Seed, Levant bags.....D	...	...	Gamboge Gum, 160 lb cases....D	1.08	1.20	200 lb bbls.....D	.42	.45
Morocco, bags.....D	.30	.32	Geisemum Root, bags.....D	.11	.11½	Ipecac Root, Carthagena, bags....D	...	1.90
Cuttlefish Bone, Trieste, straps..D	.17	.19	Gentian Root, bags.....D	.09	.09½	Powdered, 200 lb bbls. boxes..D	...	2.00
Jewelry, large, straps.....D	...	.35	Ginger, African, bales.....D	.15	.15½	Rio Whole, bags.....D	...	1.90
Small, straps.....D	...	.35	Jamaica, grinding, bags bbls....D	.35	.42	Powdered, 200 lb bbls. boxes..D	...	2.00
French, straps.....D	.17	.19	Japan, bags.....D	.14½	.15	Isinglass, American, 130 lb ca..D	.65	.70
Powdered, boxes.....D	...	.13	Cochin. ABC & lemon, bags....D	.15½	.16	Russian, (Beluga) bxs ctms....D	...	10.00
Broken, boxes.....D	.07	.08	Ginseng Root, cultivated, bags..D	8.00	10.00	JABORANDI LEAVES, bales.....D	.22	.23
Damar Gum, 136 lb cases.....D	.33	.34	Northwestern Wild, bags.....D	14.00	15.00	Jalap Root, whole 150 lb bags..D	.35	.40
Damiana Leaves, bales.....D	.11	.12	Southern Wild, bags.....D	10.00	12.00	Powdered, USP 250 lb bbls....D	.40	.42
Dandelion Root, Imp., bags.....D	.14	.15	Golden Seal Root, bags.....D	3.20	3.25	Japan Wax, 224 lb cases.....D	.14½	.15
Deer Tongue Leaves, bales.....D	.07½	.08	Powdered, boxes.....D	3.55	3.65	Job's Tears, white bags.....D	.08	.09
Digitalis Leaves, bales.....D	.06½	.08	Grains of Paradise, bags.....D	.12	.14	Juniper Berries, 125 lb bags....D	.03	.03½
Dill Seed, bags.....D	.09½	.10				KAMALA, boxes.....D	2.75	3.00

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LADY SLIPPER ROOT, bags....lb	.50	.52	Musk, pods Cabardine, tins....oz	16.00	17.00	Fatchouli Leaves, bales.....lb	.22	.25
Larkspur Seed, bags.....lb	.39	.41	Tonquin.....oz	22.00	25.00	Pepper, black Sing, bags.....lb	.10 1/2	.11
Laurel Leaves, bales.....lb	.04 1/2	.05	Grain Cab.....oz	25.00	26.00	White, bags.....lb	.14	.14 1/2
Lavender Flowers, Ordinary....lb	.25	.32	Synthetic, see Chemicals.....oz	35.00	38.00	Peppers, red Mombasa bags.....lb	.28	.29
Selected.....lb	.35	.37				Cherries, bags.....lb	.16 1/2	.17
Leeches, tubs.....Per 100	7.00	7.50	Musk Root, Russian bags.....lb	...	...	Bombay, bags.....lb	.14 1/2	.15
Lemon Peel, bags.....lb	.09	.10	Mustard Seed, Bari brown bags....lb	.08 1/2	.09	Japan, bags.....lb	.28	.30
Licorice Root, Russian whole....lb	...	.08 1/2	Bombay, brown.....lb	.07	.08	Pennyroyal Herb, bales.....lb	.08	.12
Spanish, natural bales.....lb	.09	.09 1/2	California, brown.....lb	.09	.09 1/2	Peppermint Leaves, imp. bales....lb	...	.35
Powdered, bbls.....lb	.10	.11	Yellow.....lb	...	.09	Domestic leaf.....lb	.27	.29
Selected, 2 & 5 lb bundles....lb	.17 1/2	.20	Chinese, yellow.....lb	.04	.04 1/2	Peru Balsam, see Balsams.....lb	...	.25
Cuttings, 125 lb bags.....lb	.07 1/2	.08	English, yellow.....lb	.08 1/2	.09	Pichi Leaves, bags.....lb	.23	.25
Life Everlasting Herbs, bales....lb	.05	.06	Dutch, yellow.....lb	.09	.09 1/2	Pimento, select bags.....lb	.04 1/2	.04 1/2
Lime Juice, clarified bbls.....gal	.50	.60	Danish, yellow.....lb	.08 1/2	.09	Pink Root, true bags.....lb	...	1.20
Linden Flowers, with leaves, bales lb	.22	.23	Myrrh Gum, select 200 lb cs.....lb	.40	.45	Pitch, Burgundy, see Burgundy Pitch	...	...
Without Leaves, bales.....lb	.38	.40	Sorts, cases.....lb	.38	.40	Pleurisy Root, bags.....lb	...	.22
Liverwort Leaves, bales.....lb	.30	.32	NUTGALLS, Chinese bags.....lb	.15	.16	Plantain Leaves, bales.....lb	...	.15
Lobelia Herb, bales.....lb	...	.15	Allepuy, bags.....lb	.14	.15	Poke Berries, bags.....lb	...	.15
Lobelia Seed, bags.....lb	.55	.60	Nutmegs, 110s cases.....lb	.24	.25	Poke Root, bags.....lb	...	.07
Lupulin, boxes.....lb	1.40	1.50	75s, 80s cases.....lb	.26	.27	Pomegranate Bark, of root bags....lb	...	.30
Domestic.....lb	1.30	1.40	Nux Vomica Buttons, bags.....lb	.07	.07 1/2	Of Fruit, bags.....lb	...	.30
Lycopodium, 88 lb cs.....lb	.40	.45	Powdered, 200 lb bbls.....lb	.11	.11 1/2	Of tree.....lb	...	.35
MACE, Siam, No. 1 cases.....lb	.44	.45	OAK BARK, red bags.....lb	.05	.06	Poppo Seed, Dutch, bags.....lb	.13	.13 1/2
Randa, No. 1 cases.....lb	.46	.47	White, bags.....lb	.05	.06	Poppo Seed, German, bags.....lb	.11 1/2	.12
Ratavia, cases.....lb	.38	.39	Oilbanum Gum, sift 280 lb cases....lb	.10	.11	Turkish, bags.....lb	.08	.08
Malva Flowers, blue bales.....lb	.35	.38	Tears, 280 lb cases.....lb	.13	.14	Blue Indian, bags.....lb	.08	.08 1/2
Black, bales.....lb	.65	.75	No. 1, all white, 280 lb cases....lb	.21	.22	White Indian, bags.....lb	.07	.07 1/2
Manna, large flake cases.....lb	.58	.60	Opium, gum USP cases.....lb	...	.675	Prickly Ash Bark Southern, bags lb	.14	.14 1/2
Small flake, cases.....lb	.35	.36	Granular, USP cases.....lb	...	.775	Northern, bags.....lb	.14	.14 1/2
Sorts, cases.....lb	.35	.35	Powdered, USP cases.....lb	...	.775	Prickly Ash Berries, bags.....lb	.11	.13
Mandrake Root, bags.....lb	...	.18	Orange Flowers, cases.....lb	...	1.00	Prince's Pine, bales.....lb	.14	.15
Mastic Gum, 120 lb cases.....lb	.45	.45	Orange Peel, bitter bags.....lb	.06	.06 1/2	Pulsatilla Herb, bags.....lb	.37	.40
Memecoon Bark, bags.....lb	.11	.12	Sweet, bags.....lb	.06 1/2	.07	Pumpkin Seed, bags.....lb	.09	.12
Matico Leaves, bales.....lb	.18	.20	Orri Root Florentine bold bags....lb	.07	.08	QUASSIA CHIPS, bags.....lb	.07 1/2	.08
Marjoram Leaves, German bales....lb	.17	.18	Verona, bags.....lb	.05	.06	Queen of the Meadow Herb, bags lb	...	.06
French, bales.....lb	.15	.15 1/2	Powdered, 200 lb bbls.....lb	.08	.09	Quince Seed, bags.....lb	1.50	1.55
Millet Seed, dom. yellow bags....lb	.03 1/2	.05	Fingers, cases.....lb	.65	.70	RAPE SEED, South Amer. bags....lb	.07	.07 1/2
Montan. Wax, crude bags.....lb	.04 1/2	.05	Ozokerite Wax, brown hard bags....lb	.22	.24	Dutch, bags.....lb	.08	.08 1/2
Bleached.....lb	...	...	Green, hard bags.....lb	.25	.26	Japanese, small, bags.....lb	.06 1/2	.06 1/2
Moss, Iceland bales.....lb	.08	.09	Refined, yellow bags.....lb	...	...	Raspberries, dried boxes.....lb	.35	.40
Irish, bleached bales.....lb	.07	.09	PAPRIKA, bags.....lb	.17	.24	Red Saunders.....lb	.17	.19
Mullein Flowers, tins.....lb	...	1.25	Hungarian.....lb	.27	.37	Rhatany Root, bags.....lb	...	.10
			Pareira Brava Root, bags.....lb	.19	.20	RHUBARB, H. D. cases.....lb	.40	.42
			Parsley Seed, bags.....lb	.08 1/2	.09	Powdered, 200 lb bbls.....lb	.45	.48
						Rosemary Leaves, bales.....lb	.04	.05

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Rosemary Flowers, cases bales...D	.38	: .38	Snake Root, Canada natural bags...D	.32	: .33	Tragacanth Gum, No. 1, ribbon,		
Rose Petals, pale.....D	.22	: .25	Stipped, bags.....D	..	: .55	No. 2 to No. 6, cases.....D	1.70	: 1.75
Red.....D	..	: .60	SOAP BARK, whole, 150-200D			Powdered, 50 lb boxes.....D	1.00	: 1.50
Rue Herb, bales.....D	.30	: .35	bales.....D	.07½	: .08	Turkish, cases.....D	.75	: .90
SABADILLA SEED, bags.....D	..	: .12	Cut, 125-175D bags.....D	.08	: .08½	Turmeric Root, Madras bags.....D	.09½	: .09½
Powder, bbls.....D	.16½	: .17	Crushed, 200D bbls.....D	.03½	: .09	Aleppy, bags.....D	.07½	: .08
Saffron Flowers, Amer. bales.....D	1.30	: 1.35	Powdered, 200D bbls.....D	.13	: .14	China, bags.....D	.07	: .07½
Valencia, 1 lb cans.....D	46.00	: 47.00	Spearmint Leaves, American bales...D	.23	: .24	Turpentine, Venice, true 80 lb cs...D	.20	: .22
Sage, Dalmatian bales.....D	.05½	: .06½	Spermaceti, blocks cakes cases...D	.26	: .37	Artificial, 80 lb cases.....D	.14	: .15
Greek, bales.....D	.03½	: .04	Spikenard Root, bags.....D	.15	: .16	Spirits, see Naval Stores		
Spanish, bales.....D	.03	: .03½	Spruce Gum, boxes.....D	1.00	: 1.50	UNICORN ROOT, false, see Helenias		
Sandalwood, chips bags.....D	..	: .30	Squaw Vine, bales.....D	..	: .17	True, see Aletris		
Ground, bags.....D	..	: .35	Squill Root, white bags.....D	..	: .04	Uva Ursi Leaves, bales.....D	.05½	: .06½
Sandarac Gum, 300D bbls.....D	.23	: .25	Stavesacre Seed, bags.....D	.28	: .29	VALERIAN ROOT, Belgian bags...D	.12	: .13
Sarsaparilla, Honduras, bales.....D	..	: .55	Stillingia Root, bags.....D	.09½	: .10	Vanilla Beans Mex. whole cases...D	7.50	: 10.00
Mexican, bales.....D	.26	: .30	Stone Root, bags.....D	.09	: .10	Cuts cases.....D	6.50	: 7.00
Sassafras Bark, ordinary bales...D	.12	: .14	Storax, liquid artif.....D	.70	: .75	Bourbon, cases.....D	3.00	: 3.25
Select, bales.....D	.22	: .28	Gen. UEP.....D	.90	: 1.00	South American, cases.....D	6.00	: 6.50
Savory Leaves, bales.....D	.09½	: .10	St. Ignatius Beans, bags.....D	.23	: .23	Tabiti, yellow label cases.....D	1.80	: 2.00
Saw Palmetto Berries, bags.....D	.12	: .13	St. John's Bread, bags.....D	.04	: .06	Green Label cases.....D	1.80	: 2.00
Scammony Resin, boxes.....D	.95	: 1.00	Stramonium Leaves, bales.....D	.06½	: .07	Violet Flowers, bags.....D	.65	: .70
Scammony Root, boxes.....D	.06	: .07	Stramonium Seed, bags.....D	.12	: .13	Wahoo Bark, of root bags.....D	1.00	: 1.10
Senega Root, bags.....D	.74	: .75	Strophanthus Seed, Hispidus...D	..	: .35	Of Tree, bags.....D	.40	: .42
SENNA, Alex, 150D cases.....D	.30	: .31	Kombe, bags.....D	.30	: .35	White Pine Bark, rounded, bags...D	.06	: .07
Half Leaf, 350D bales.....D	.14	: .17	Sunflower Seed, domestic bags...D	.07	: .07½	White Poplar Bark, bags.....D	.04	: .05
Siftings, 400D bales.....D	.09	: .09½	South American, bags.....D	.06½	: .07	Wild Cherry Bark, thin green		
Powdered, 200D bbls.....D	.12	: .13	TAGALDER BARK, bags.....D	..	: .05	Rounded, bales.....D	.10	: .12
Tinnevely, job, 350D bales...D	.11	: .13	Tamarinds, bbls.....D	..	: .05½	Thick Rounded, bales.....D	.07	: .07½
Grinding, 350D bales.....D	.05	: .08	Keys.....per bag	3.25	: 3.50	Thin Natural, bales.....D	.09	: .09½
Powdered, 200D bbls.....D	.08	: .08½	Tanay Herb, bales.....D	.14	: .15	Thick Natural, bales.....D	.04½	: .05
Peds, 350D bales.....D	.06	: .06½	Tar, Barbadoes, 50 gal. bbls. gal.	1.60	: 1.75	Willow, bark bags.....D	..	: .06
Serpentaria Root, bags.....D	.90	: .92	Thus Gum, 280D bbls.....D	..	: .05½	White, bags.....D	..	: .15
Shellac, T.N., bags.....D	.78	: .80	Thyme, Spanish bales.....D	..	: .08	Witch Hazel Bark, bags.....D	..	: .06
Superfine Orange, bags.....D	.89	: .90	French, bales.....D	..	: .11	Witch Hazel Leaves, bales.....D	..	: .07½
D. C., bags.....D	..	: 1.00	Tilia, see Linden			Worm Seed, American bags.....D	.08½	: .09
V. E. O., cases.....D	..	: .95	Tolu Balsam, see Balsams			Levant bags.....D	..	: 4.00
Pwd. reg., 350D bbls.....D	.88	: .90	Tonga Bark, bags.....D	.30	: .31	Wormwood Herb, imported bales...D	..	: .09
Regular Bleached, 350D bbls...D	..	: .90	Tonka Beans, Angostura cases...D	2.10	: 2.25	Yacca Gum, red.....D	.04	: .04½
Bone, Dry, 350D bbls.....D	..	: .92	Para, cases.....D	.80	: .85	Ground.....D	.05½	: .06½
Stimurba Bark, bales.....D	.11	: .13	Surinam, cases.....D	.85	: .95	YELLOW DOCK ROOT, bags.....D	.13	: .15
Sideritis Herb, cut bags.....D	..	: .23				Yellow Parilla Root, bags.....D	.16	: .17
Skullcap Leaves, bales.....D	..	: .23				Yerba Santa, bags.....D	.10	: .11
Sloe Berries, bags.....D	.03	: .04				Zedoary Root, bags.....D	.10	: .11

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American Works, Delawanna, N.J.

Canadian Office—489 St. Paul Street, West, Montreal.

Essential Oils

Essential Oils

Almond, Bitter USP 5b bot.	3.75	4.00
Bitter fl PA 5b bot.	3.75	4.00
Artificial. (See Benzaldehyde-Chemicals)		
Sweet, 50b cans.	.35	.40
Peach Kernel, 55b tins.	.25	.37
Apricot, see Peach Kernel		
Amber, crude 25b tins.	.65	.65
Rectified, 25b tins.	.90	1.00
Angelica Root, 1b bot.	38.00	39.00
Seed, 1b bot.	38.00	38.00
ANISE, Tech., 66b cans.	.45	.50
USP 50b tins.	.50	.55
Bay, 25b tins.	2.45	2.55
Bergamot, USP, 25b coppers.	2.50	2.75
Artificial, 25b cans.	2.00	2.25
Birch Tar, rect. 5b bot.	1.10	1.15
Crude, 50b tins.	.60	.65
Bols de Rose, 25b tins.	2.30	2.50
Cade, USP, 25b tins.	.45	.50
USP, 5b bot.	.55	.60
Cajuput, native, 50b tins.	.80	.85
Calamus, 5b bot.	4.25	4.75
Camphor, heavy, 1000b drums.	11.34	12
Japanese, white, 72b cases.	.13 3/4	.15
White, 1000b drums.	.13	.13 3/4
Camanga, Native 25b tins.	2.25	2.50
Rectified, 25b tins.	2.50	2.75
Caraway, USP	5.50	6.00
Cardamom, USP, 1b bot.	18.00	20.00
Carrot, 5b bot.	8.50	9.00
CASSIA, 75-80 p.c. 66b cases.	1.75	1.90
Redistilled, USP, 50b cans.	2.15	2.25
Cedar Leaf, 50b tins.	.85	1.00
Cedar Wood, light 1000b drums.	.25	.26
Celery, 1b bot.	8.50	9.00
Cinnamon, Ceylon 1b bot.	12.00	15.00
Leaf, 5b bot.	...	2.00
CITRONELLA, Ceylon, 1000b drs.	.70	.72
50b tins.	.72	.74
Java, 400b drums.	...	.85
50b tins.	...	.87 1/2
Cloves, USP, 50b cans.	1.90	2.00
6b bot.	2.00	2.10

Copaiba, USP, 50b tins.	.35	.40
Coriander, USP, 1b bot.	10.00	23.00
Croton, USP 25b tins.	1.00	1.10
Cubeb, USP, 5b bot.	6.00	6.25
Cumin, 1b bot.	12.50	15.00
Dill, 1b bot.	4.75	5.00
Erigeron, 20b tins.	.85	.90
EUCALYPTUS, Austl. USP		
50b cs.	.45	.47 1/2
500b drums.	...	.45
Fennel USP, 25b tins.	1.10	1.25
Geranium, Algerian, 25b tins.	7.75	8.50
Bourbon, 25b tins.	6.50	6.75
Turkish, 28b tins.	...	4.50
Ginger, 1b bot.	5.75	6.00
Gingergrass, 28b tins.	2.75	3.00
Hemlock, 50b cans.	...	1.95
Juniper Berries, USP 25b tins.	1.10	1.25
Wood, 50b tins.	.50	.60
Lavender, USP, 28b tins.	2.75	3.50
Spike, Spanish 50b cans.	.70	.80
LEMON, Ital. USP, 25b tins.	.70	.80
American, USP, 25b tins.	.70	.80
Lemongrass, native, 50b cans.	.80	.85
Limes, express 25b tins.	1.75	1.80
Distilled, 25b tins.	.60	.65
Linaloe, Mex. 50b cans.	2.15	2.35
Mace, distilled 50b tins.	...	.90
Mirbane, ref., see Ar. Chemicals		
Mustard, USP, 1b bot.	...	17.00
Artif., USP, 5b bot.	2.75	2.80
Neroli, Bigarade, 3/4 and 1b bot.	75.00	100.00
Petale, 1b bot.	90.00	115.00
Artificial, 1b bot.	10.00	25.00
Nutmeg, USP, 25b tins.	...	.90
Orange, bitter 25b tins.	2.10	2.20
Sweet, W. Ind., 25b tins.	2.40	2.55
Italian, 25b cop.	2.60	2.75
American, 25b tins.	2.65	2.70
Origanum, 50b cans.	...	.35
Parsley, 1b bot.	3.50	4.00
Patchouli, 5b bot.	8.00	8.50
Pennyroyal, dom 25b tins.	1.95	2.25
Imported, 25b tins.	1.65	1.75
PEPPERMINT, nat. 60b cases.	2.75	2.85
Redist., USP, 60b cases.	3.00	3.10

Petit Grain, S. Am. 25b tins.	1.55	1.65
French, 1b bot.	6.50	7.00
Pimento, 25b tins.	1.75	1.90
Pinus Sylvestris, 25b tins.	...	1.75
Pumilio, USP, 25b tins.	...	2.75
Rose, Fr., 8, 16 & 32 oz pags.	...	3.00
Bulg., 8, 16 & 32 oz pags.	5.50	6.00
Artificial, 1b bot.	2.00	3.00
Rosemary, USP, 27 1/2 b tins.	.45	.48
1000b drums.	...	.42 1/2
Tech., 27 1/2 b tins.	.40	.45
Rue, 1b bot.	...	4.25
Sandalwood, E. Ind. USP, 76b cases.	7.75	8.00
W. Indian, (Amrys) 25b tins.	3.75	3.90
Sassafras, USP, 50b cans.	.85	.90
Artificial, 63b cans, 1000b drs.	.42	.45
Savin, 5b tins.	3.25	3.50
Spearmint, USP 60b cans.	2.40	2.50
Spruce, 50b tins.	...	1.45
Tansy Amer., 20b tins.	7.90	8.60
Tar, 50 gal. bbls.	.24	.25
Refined, USP 25b tins.	...	...
Thyme, rect. USP 25b tins.	1.00	1.10
White, USP 25b tins.	1.10	1.15
Crude, 110b drums.	.85	.90
Vetiver, Bourbon 1b bot.	5.50	6.00
Java, 1b bot.	22.00	24.00
Wine, heavy 1b bot.	...	2.75
WINTERGREEN,		
Sweet bch, 25b tins.	2.00	3.00
Gaultheria, true 25b tins.	4.00	7.00
Synthetic, USP, 50b cases.	...	.57
Wormseed Bait., USP, 25b tins.	4.25	4.50
Wormwood, dom., 25b tins.	6.50	7.00
Ylang Ylang, Bourbon 10b tins.	6.50	7.00
Manila, 1b bot.	30.00	40.00
Artificial, 1b bot.	10.00	12.00
OLEORESINS		
Aspidium, USP 1b bot.	2.75	3.00
Capsicum, USP, 5b bot.	2.25	2.50
Cubeb, USP, 1b bot.	4.75	5.00
Ginger, 5b bot.	3.00	3.10
Malefern, See Aspidium		
Orris, 1b bot.	...	18.00
Pepper, black, USP, 1b bot.	3.50	4.00
Vanilla, 1b bot.	9.00	9.50

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NATURAL DERIVATIVES					
Anethol, 2 lb. bot.	D	1.60 : 2.00	Cinnamic Alcohol, liquid 1 lb. bot.	D	10.00 : 12.00
Borneol, 1 lb. bot.	D	3.50	Crystallizable	D	12.00 : 15.00
Citronellal, 1 lb. bot.	D	2.00 : 2.25	Cinnamic Aldehyde, 1 lb. bot.	D	3.20 : 3.50
CITRAL, 25 lb. cans.	D	2.75 : 3.00	CITRONELLOL, 1 lb. bot.	D	8.00 : 14.00
EUCALYPTOL, USP, 25 lb. cans.	D	.80 : .85	COUMARIN, 25 lb. cans.	D	4.00 : 4.25
Eugenol, USP, 25 lb. cans.	D	2.85 : 3.25	DIETHYL PHTHALATE, 25 lb. cans.	D	.65 : .75
Geraniol, Domestic, 50 lb. cans.	D	2.75 : 3.00	Diphenyl ether, 25 lb. tins.	D	.85 : .90
Imported, 5 lb. bot.	D	2.75 : 3.00	Ethyl Acetate, pure, 5 lb. bot.	D	.45 : .50
Iso-Eugenol, 1 lb. bot.	D	4.25 : 4.50	Ethyl Benzate, 5 lb. bot.	D	1.85 : 2.00
Imported	D	6.50 : 7.00	Ethyl Butyrate, 5 lb. bot.	D	2.00 : 2.25
Linalool, 5 lb. bot.	D	7.00 : 7.25	Ethyl Cinnamate, 1 lb. bot.	D	4.50 : 5.00
MENTHOL, 60 lb. cases.	D	8.20	Ethyl Formate, 5 lb. bot.	D	.95 : 1.00
Less cases, 5 lb. cans.	D	8.40 : 8.50	Ethyl Valerate, 5 lb. bot.	D	4.50 : 4.75
Rhodiol, 1 lb. bot.	D	15.00 : 20.00	Formic Ether, See Ethyl Formate		
SAFROL, 60 lb. cans.	D	.55 : .60	Geranyl Acetate, 1 lb. bot.	D	4.25 : 4.75
Thymol, USP, 10 lb. cans.	D	3.25 : 3.50	Heliotropin, dom., 10 lb. bot.	D	1.75 : 2.00
SYNTHETIC AROMATICS			Imported	D	1.75 : 2.75
Acetaldehyde, 50% sol pure, 5 lb. bot.	D	1.75 : 2.00	Indol, CP, 10 lb. bot.	D	8.50 : 9.00
Acetophenone CP, 1 lb. bot.	D	4.00 : 4.25	Ionone, 1 lb. bot.	D	8.00 : 9.00
Amyl Acetate, pure, 5 gal. cans.	D	6.00 : 7.00	Alpha	D	10.00 : 12.00
Amyl Butyrate, 1 lb. bot.	D	2.00 : 2.10	Beta	D	9.00 : 11.00
Amyl Formate, 1 lb. bot.	D	1.75 : 2.00	Methyl	D	12.50 : 15.00
AMYL SALICYLATE, 100 lb. chys.	D	1.45 : 1.60	Linalyl Acetate, 1 lb. bot.	D	7.00 : 10.00
Anisic Aldehyde, 1 lb. bot.	D	3.40 : 4.00	Linalyl Benzate, 1 lb. bot.	D	13.00 : 14.00
BENZALDEHYDE, USP, 40 lb. chys.	D	1.40 : 1.50	METHYL ANTHRANILATE dom.		
FFC, 40 lb. chys.	D	1.60 : 1.70	1 lb. bot.	D	2.25 : 2.50
Benzole Ether, See Ethyl Benzate			Imported	D	3.50 : 3.75
Benzyl Acetate, 100 lb. chys.	D	1.25 : 1.40	Methyl Cinnamate, 1 lb. bot.	D	4.00 : 4.50
Benzyl Alcohol, 5 lb. bot.	D	1.50 : 1.75	Methyl Paracresol, 1 lb. bot.	D	8.00 : 9.00
BENZYL BENZOATE, 5 lb. bot.	D	1.50 : 1.60	METHYL SALICYLATE, USP 500 lb.		
Medicinal FFC	D	1.65 : 1.75	drums	D	.55
Benzyl Formate, 1 lb. bot.	D	2.50 : 3.00	50 lb. cases	D	.57
Broomstrol, 25 lb. kgs.	D	4.00 : 4.25	Second Hands	D	.51
Butyric Ether, See Ethyl Butyrate			Mirbane, rect. 1000 lb. drums.	D	12.50 : 14
Cinnamic Acid, 5 lb. cans.	D	3.00 : 3.25	Musk Ambrette, 1 lb. cans.	D	14.50 : 16.50
			Musk Ketone, 1 lb. cans.	D	13.00 : 14.00
			Musk Xylene, 5 lb. cans.	D	2.75 : 3.00
			Nerolin, 1 lb. cans.	D	1.75 : 2.00
			Phenylacetaldehyde, 85 p.c. 1 lb. bot.	D	9.00 : 12.50
			50 p.c.	D	6.00 : 8.00
			Phenylacetic Acid, 1 lb. bot.	D	3.00 : 4.00
			PHENYLETHYLALCOHOL dom.		
			1 lb. bot.	D	7.50 : 9.00
			Imported	D	9.50 : 12.00

Phenylpropylalcohol, 1 lb. bot.	D	15.00 : 16.00
TERPINEOL, CP, 1000 lb. drums.	D	.53 : .55
Cans 50 lb.	D	.58 : .60
Imported, 25 lb. cans.	D	1.00 : 1.25
Terpinyl Acetate, 25 lb. cans.	D	1.65 : 1.85
VANILLIN, USP, 400 oz. cans.	D	.41 : .41 1/2
Cans, 16 oz., 80 oz.	D	.41 1/2 : .42 1/2
Valerianic Ether, See Ethyl Valerate		
Yara Yara, 1 lb. cans.	D	2.00 : 2.50

PERFUMERS' SUNDRIES

Almond Meal, 25 lb. cans.	D	.28 : .30
Ambergris, black, bxs.	D	.80 : 8.00
Ambergris, gray, bxs.	D	.28 : 28.00
Balsam Copaiba, Para, 80 lb. cases.	D	.23 : .24
South American, 80 lb. cases.	D	.28 : .29
Balsam Peru, 60 lb. cans.	D	2.00 : 2.10
Balsam Tolu, 90 lb. cases.	D	.80 : .85
Benzoin Gum, Siam, bxs.	D	1.00 : 1.10
Castoreum, 1 lb. bot.	D	4.00 : 4.50
Chalk, precip. light, 175 lb. bbls.	D	.04 1/2 : .05
Cherry Laurel Water, 5 gal. cans.	D	1.15 : 1.25
Civet Abyssin, horns.	D	2.75 : 3.75
Labdanum, 5 lb. bot.	D	.80
Lanolin hydrous, 350 lb. bbls.	D	.21 : .22
Anhydrous, 350 lb. bbls.	D	.23 : .24
Musk pods, Cabardine, tins.	D	16.00 : 17.00
Tonquin, tins	D	22.00 : 25.00
Grains, Cabardine, tins.	D	25.00 : 26.00
Tonquin, tins	D	35.00 : 38.00
Synthetic, See Aromatic Chemicals		
Orris Rt. Flor., powd. bbls.	D	.09 : .11
Verona, bbls.	D	.08 : .09
Petrolatum, snow white, 350 lb. bbls.	D	.12 1/2 : .04 1/2
Light Amber, 350 lb. bbls.	D	.04 : .04 1/2
Rice Starch, 140 lb. bgs.	D	.09 : .10
Rose Water, 5 gal. chys.	D	.90 : 1.10
Sandalwood chips, powd., bags.	D	.30 : .35
Saponin, 5 lb. tins.	D	1.25 : 1.50
Talc Italian, 220 lb. bgs.	D	42.00 : 55.00
Talc French, 220 lb. bags.	D	32.00 : 45.00
Talc, domestic ref., 100 lb. bags.	D	20.00 : 30.00



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ACIDS—Arsenious, 30 bbls., Amer. Metal Co., Tampico; **Boric**, 250 bgs., Pacific Coast Borax Co., London; **Chloric**, 450 csks., Order, Palermo; 300 csks., W. Neuberg, Rotterdam; **Crésylic**, 20 drs., Lunham & Moore, Rotterdam; 14 drs., Order, London; 1 drum, Order, Liverpool; 30 drs., W. E. Jordan & Bro., Liverpool; **Stearic**, 100 bbls., M. W. Parsons & Plymouth Organic Lab., Rotterdam; 188 bbls., Smith & Nichols, Rotterdam; **Tartaric**, 200 csks., Canadian Nat. Grand Trunk Rwy., Palermo; 200 csks., Order, Palermo
ALMOND MEAL—10 cs., Ungerer & Co., London
ALOES—300 cs., R. Desvernine, Curacao
ALUM—Lump, 178 csks., Order, Hull
ALUMINUM SULFATE—508 csks., Roessler & Hasslacher Chem. Co., Rotterdam
AMMONIUM—Carbonate, 25 csks., Brown Bros. & Co., Liverpool; **Phosphate**, 45 csks., Guaranty Trust Co., Antwerp; 19 csks., Guaranty Trust Co., Antwerp
ARGOLS—41 csks., Tartar Chem. Works, Leghorn; 95 bbs., C. Pfizer & Co., Rotterdam
ARSENIC—281 bbls., Order, Antwerp
BALSAM—237 cs., Order, Para; 4 cs., Dodge & Olcott, La Libertad
BARIUM—Chloride, 51 csks., R. W. Greeff & Co., Antwerp; **Peroxide**, 19 drs., Carbone Peroxide, Inc., London; **Superoxide**, 123 kgs., W. A. Brown & Co., Rotterdam
BARK—Cinchona, 779 bbs., W. Van Doorn, Rotterdam; 12 bbs., S. B. Penick & Co., London; 12 bbs., Nickells Rowland Co., London
BARYTES—500 bgs., Bankers Trust Co., Genoa; 33 pkgs., A. Murphy, Hamburg
BERRIES—Juniper, 25 bbls., Order, Leghorn; Laurel, 1 bale, Order, Leghorn; **Laurel**, 1 bale, Order, Leghorn; **Cubeb**, 10 bgs., A.

Stallman & Co., London; 6 bgs., Nickells Rowland Co., London
BONE PHOSPHATE—1,000 bgs., Order, Antwerp
CASEIN—100 bgs., Adolph Hurst & Co., Havre; 2,335 bgs., Order, Buenos Aires; 167 bgs., T. M. Duche & Sons, Havre; 150 bgs., N. Y. Trust Co., London; 490 bgs., Order, Wellington; 60 cts., N. Y. Trust Co., Southampton
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CINCHONIDINE—10 cs., Order, Rotterdam
COLORS—3 cs., P. C. Kuyper & Co., Havre; 18 cs., R. F. Downing & Co., London; 4 csks., Reichard Coulston, Rotterdam; 4 csks., H. A. Metz, Rotterdam; 9 csks., Hensel Bruckmann & Lorbacher, Rotterdam; 1 box, J. A. McNulty, Rotterdam; 6 csks., Ital. Discount & Trust Co., Liverpool 4 csks., W. Van Doorn, Rotterdam; 10 drs., Order, Glasgow; 8 csks., Irving Nat. Bank, Genoa; 70 pkgs., Amer. Exch. Nat. Bank, Genoa; 6 bbls., 5 pkgs., Amer. Exch. Nat. Bank, Genoa; 12 bbls., Ital. Discount & Trust Co., Genoa; 36 bbls., Irving Nat. Bank, Genoa; 6 csks., Order, Havre; 1 cse., Globe Shpg. Co., Havre; 19 csks., Sandoz Chem. Works, Havre; 5 csks., H. R. Ackerman, Havre; 19 cs., 7 csks., Ciba Co., Havre; 164 pkgs., W. Hartley, Havre; 4 csks., Car-

hic Color & Chem. Co., Havre; 1 cse., O. Hommel Co., Bremerhaven; 20 csks., Sig-mund Ullmann Co., Bremerhaven; 44 pkgs., H. A. Metz & Co., Bremerhaven; 20 bbls., Reichard Coulston, Havre; 64 csks., Geigy Co., Havre; 58 csks., Ciba Co., Havre; 8 cs., Irving Bank, Havre; 25 csks., Sandoz Chem. Works, Havre; 1 csk., Amer. Exp. Co., Havre; 21 bbls., Amer. Exch. Nat. Bank, Genoa; 3 cs., 9 pkgs., 11 bbls., Order, Genoa; 8 kegs, Comm. Bank of Scotland, London; 4 csks., Kuttroff Pickhardt & Co., Hamburg; 5 csks., Franklin Imp. & Exp. Co., Hamburg; **Alizarine**, 1 csk., H. A. Metz & Co., Bremerhaven; **Bronze Powder**, 23 cs., Illinois Bronze Powder Co., Ham-burg; **Coal Tar**, 4 csks., Franklin Imp. & Exp. Co., Hamburg; **Earth**, 41 csks., Fezandie & Sperrle, Bremerhaven
COPPER—Sulfate, 200 csks., Amer. Metal Co., Antwerp; 103 bbls., Phillip Bros., Genoa; 103 bbls., Phillip Bros., Genoa; 100 csks., Roessler & Hasslacher Chem. Co., Hamburg
COPRA—2,023 bgs., Franklin Baker Co., Belize; 150 bgs., Franklin Baker Co., Port Antonio; 140 bgs., Franklin Baker Co., Port Antonio
CRESOL, Meta, 6 drs., W. E. Jordan & Bro., Liverpool
CUTTLEFISH BONES—11 straps Amer. Exp. Co., Marseilles
DEXTRINE—400 bgs., J. Morganstar & Co., Hamburg
DIVI DIVI—1,410 bgs., Amer. Trdg. Co., Maracaibo; 788 bgs., Selma Merc. Corp., Curacao; 1,660 bgs., Suzarte & Whitney, Curacao
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FLOWERS—Chrysanthemum, 12 bbls., Brown Bros. & Co., Venice; 10 bbls., Kuechler & Co., Venice; 21 bbls., Kuechler & Co., Venice; 15 bbls., Brown Bros., Venice; 30 bbls., A. Joensson Co., Venice; **Dried**, 25 bbls., McLaughlin Gormley & King, Venice; **Gilli**, 15 bbls., Order, Trieste; **Lime Tree**, 4 cs., J. Manheimer, Havre; **Linden**, 10 bbls., Order, Leghorn; **Pyrethrum**, 68 bgs., Atlantic Trust Co., Trieste
FULLER'S EARTH—300 bgs., R. J. Waddell & Co., Hull; 700 bgs., L. A. Salomon & Bros., London
GAMBIER—247 cs., N. Y. Trust Co., Singapore
GLAUBER SALT—500 csks., E. Sonto & Co., Hamburg
GELATIN—80 cs., P. Puttmann, Rotterdam; 30 bbls., H. A. Sinclair, Rotterdam; 8 pkgs., P. Puttmann, Hamburg
GLYCERIN—20 csks., Order, Bordeaux; 40 drs., Order, Genoa; 86 drs., Order, Wellington
GUM—50 bgs., Anglo Egyptian Bank, Port Sudan; 620 bgs., Order, Port Sudan; 4 cs., F. S. Stafford, Havre; 30 bgs., G. Wells & Son, Havre; 61 bbls., Order, Havre; 20 cs., Kuechler & Co., Venice; **Arabic**, 500 bgs., T. M. Duché & Sons, Port Sudan; 250 bgs., W. Tappenbeck, Port Sudan; **Chicle**, 83 bgs., J. A. Medina Co., Vera Cruz; **Copal**, 140 bgs., 54 bbls., Kidder Peabody & Co., Singapore; 210 bgs., L. C. Gillespie & Sons, Singapore; 31 csks., H. W. Peabody & Co., Manila; 30 bgs., H. W. Peabody & Co., Antwerp; 131 bkts., Kidder Peabody & Co., Macassar; 250 bkts., S. Winterbourne, Macassar; 415 bkts., France Campbell & Metzger, Macassar; 418 bkts., Irving Nat. Bank, Macassar; 2,070 pkgs., Order, Macassar; **Damar**, 100 bgs., L. Littlejohn & Co., Singapore; 630 bgs., Kidder Peabody & Co., Singapore; 6 cs., S. Winterbourne & Co., Singapore; 50 cs., L. C. Gillespie & Sons, Singapore; 200 cs., Order, Padang; **Dragon**, 14 pkgs., R. D. Isbetchirian, Constantinople; **Hashab**, 525 bgs., Irving Nat. Bank, Port Sudan; 263 bgs., Thurston & Braidich, Port Sudan; **Kauri**, 284 csks., Nat. City Bank, Auckland; 335 pkgs., Order, Auckland; **Tragacanth**, 4 cs., Brit. Bank of South Amer., London; 89 cs., Bank of Montreal, London; 85 cs., Thurston & Braidich, London

HERBS—4 cs., Order, Palermo; 15 bbls., Order, Hamburg; 17 pkgs., Equitable Trust Co., Hamburg; **Dried**, 35 pkgs., Order, Bremerhaven; 18 bbls., Order, Genoa
HYDROGEN PEROXIDE—191 cs., Oakland Chem. Co., London
INSECT POWDER—10 cs., A. Joensson & Co., Trieste
IRON OXIDE—117 bbls., Order, Messina; 30 csks., J. A. McNulty, Liverpool
KAPOC—488 bbls., Equit. Trust Co., Sourabaya; 1,246 pkgs., Featon Brown Co., Sourabaya; 235 bbls., Order, Samarang; 1,024 bbls., L. E. Elbia, Samarang; 262 bbls., Balfour Williamson Co., Samarang; 312 bbls., Bank of N. Y., Samarang; 419 bbls., C. Bloom, Samarang; 1,021 bbls., G. Wittcomb & Co., Samarang; 526 bbls., Fourth Atlantic Bank, Samarang
LEAVES—Belladonna, 42 bbls., First Nat. Bank Minnesota, Havre; **Buchu**, 1 bale, Amer. Exp. Co., London; **Henna**, 32 bgs., Order, Hamburg; **Laurel**, 42 bbls., Order, Leghorn; **Sage**, 86 bbls., Order, Marseilles; 59 bgs., Atlantic Trust Co., Trieste; **Senna**, 50 bbls., Irving Nat. Bank, Port Sudan; 17 bbls., Nat. Bank of Egypt, Port Sudan; 40 bbls., Order, Port Sudan; **Sumac**, 200 bbls., Order, Palermo
LICORICE PASTE—30 cs., Huth & Co., Seville; 60 cs., H. Utard, Tarragona
LITHOPONE—800 csks., B. Moore & Co., Antwerp; 400 csks., B. Moore & Co., Antwerp
MALEFERN—13 bgs., Amer. Exp. Co., London
MENTHOL—25 cs., Nat. City Bank, London
MYROBALANS—2,274 pkts., Bank of British West Africa, Calcutta; 7,300 pkts., Order, Calcutta
NAPHTHALENE—1,623 dbles., bgs., Lunham & Moore, Rotterdam; 1,000 bgs., Irving Nat. Bank, Rotterdam
NICKEL SULFATE—24 csks., Order, Liverpool
NUX VOMICA—26 cs., United Amer. Lines, Hamburg
OILS—525 cs., E. La Montagne Sons, Bordeaux; 25 cs., Therapeutic Food Co., Bordeaux; **Coconut**, 1,300 tons, Philippine Ref. Corp., Manila; 1,375 tons, Amer. Linseed Co., Manila; 799 tons, Co de Tobacco de Philippines, Manila; **Cod**, 130 csks., Badcock & Co., St. Johns, N. F.; **Codliver**, 25 bbls., Lanman & Kemp, Bergen; 1 cse., Mebye Kuthoff Co., Bergen; **Creosote**, 1 drum, W. E. Jordan & Co., Liverpool; **Fusel**, 48 drs., Order, Antwerp; 5 drs., Order, Havana; **Haarlem**, 30 cs., Lehn & Fink, Rotterdam; **Olive**, 97 csks., Order, Palermo; 252 bbls., W. Schall & Co., Palermo; 300 bbls., First Nat. Bank, Seville; 626 bbls., Bank of

Manhattan, Seville; 100 bbls., East River Nat. Bank, Seville; 30 cs., Amer. Exch. Nat. Bank, Seville; 100 cs., Order, Seville; 495 pkgs., W. A. Taylor & Co., Barcelona; 235 cs., Equit. Trust Co., Barcelona; 100 pkgs., Lazard Freres, Barcelona; 100 pkgs., Lekas & Drivas, Barcelona; 100 cs., Angelina Protas & Co., Genoa; 200 cs., F. N. Giavi, Genoa; 350 cs., East River Nat. Bank, Genoa; 2,452 pkgs., Order, Genoa; 395 cs., S. Sumisieri & Bros., Palermo; 360 pkgs., Colombo Co., Palermo; 527 cs., 28 csks., Order, Palermo; 300 bbls., W. R. Grace & Co., Marseilles; **Palm Kernel**, 306 csks., E. F. Drew & Co., Hull; 100 bbls., Order, Hull; 16 csks., Order, Antwerp; **Rape**, 1,266 bbls., Vacuum Oil Co., Hull; 355 bbls., Order, Hull; **Sesame**, 221 csks., Holland Am. Cotton Oil Co., Rotterdam; 430 bbls., Order, Rotterdam; **Sperm**, 30 bbls., Order, London; **Sulfur olive**, 200 csks., Order, Palermo; 350 bbls., Irving Nat. Bank, Bari; 200 bbls., Fourth St. National Bank Phila., Bari; 300 bbls., Mech. & Metals Nat. Bank, Naples; 200 bbls., Brown Bros. & Co., Naples; 200 bbls., Banca Comm. Italo, Naples; 300 bbls., Nat. City Bank, Bari; 300 bbls., Banca Comm. Italo, Bari; 64,883 kilos, Order, Trieste
OILS, ESSENTIAL—2 cs., Bernard Judac & Co., Havre; 3 bbls., Bank of N. Y. & Trust Co., Havre; 1 cse., Orbis Products Trdg. Co., Havre; 10 csks., Order, Havre; 2 pkgs., Fritzsche Bros., Messina; 100 cs., Orbis Products Trdg. Co., Messina; 478 bxs., Order, Messina; 100 bbls., Order, Glasgow; 5 csks., 3 cs., P. R. Dreyer, Marseilles; 4 csks., M. A. Kerwin, Marseilles; 60 cs., Roure Bertrand Fils, Havre; 3 csks., Order, Havre; 4 cs., Ungerer & Co., London; 2 drs., J. W. Lyon, Seville; 11 cs., Polaks Fruit Wks., Rotterdam; 20 cs., Hudson Fwdg. & Shpg. Co., Naples; 13 cs., De Talco Antonio, Naples; 57 cs., Order, Messina; 175 cs., Order, Palermo; 5 bbls., Amer. Exp. Co., Naples; **Bay**, 12 cs., R. Moellhausen, St. Lucia; 1 csk., R. Moellhausen, Guadeloupe; **Bergamot**, 50 cs., G. Lueders & Co., Messina; 90 cs., East River Nat. Bank, Messina; **Citronella**, 10 drs., Brown Bros. & Co., Colombo; 10 drs., Phila. Nat. Bank, Colombo; 16 drs., Order, Colombo; **Clove**, 10 cs., J. W. Lyon, Rotterdam; **Geranium**, 3 csks., Fritzsche Bros., Marseilles; **Lime**, 1 cse., Middleton & Co., Dominica; 2 drs., 2 cs., Goldman Sachs & Co., Dominica; 4 cs., Livart Fruit Distrib., Dominica; 6 cs., Planters Produce Co., Dominica; 16 cs., Dodge & Oleott Co., Cristobal; **Lemon**, 150 cs., G. Lueders & Co., Messina; 190 cs., Brown Bros. & Co., Messina; **Orange**, 50 cs., G. Lueders & Co., Messina; 87 cs., Park

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 Finest Quality Corn Dextrines — Spot Stocks carried in New York

Benziger & Co., Kingston; 45 cs., Order, Jamaica; 30 cs., Huth Gillespie & Co., Jamaica; Palmarosa, 2 pots, Bank of Amer., Southampton; Residue, 17 bbls., Morana, Inc., Havre; Rosemary, 18 cs., Kuechler & Co., Venice; Sandalwood, 14 cs., F. B. Vandegrift & Co., London
PLUMBAGO—100 bbls., Brown Bros. & Co., Colombo; 80 bbls., First Fed. For. Bkg. Assoc., Colombo
POTASSIUM SALTS—52 csks., Arcos, Ltd., London; 102 csks., Arcos, Ltd., London; Caustic, 40 csks., McKesson & Robbins, Gothenburg; Chlorate, 150 drs., Nat. City Bank, Marseilles; 2,500 bbls., Amer. Krueger & Toll Corp., Helsingfors; Prussiate, 20 csks., J. D. Lewis, Antwerp; Nitrate, 386 csks., Kuttroff Pickhardt & Co., Hamburg; Sulfate, 570 bbs., Soc. Comm. Des Potasses D'Alsace, Antwerp
POTATO STARCH—250 bbls., Spier Simmons & Co., Rotterdam; 500 bbs., Stein Hall & Co., Rotterdam
PUMICE STONE—Lump, 150 bbs., 5 csks., Eric R. R., Canneto Lipari; 12,790 bbs., 14 csks., Order, Canneto Lipari; Powdered, 300 bbs., R. S. Waddell & Co., Canneto Lipari; 120 bbs., Eric R. R., Canneto Lipari; 431 bbs., Order, Canneto Lipari
PYRIDIN—3 drs., Order, Rotterdam
QUICKSILVER—100 flasks, Order, Leghorn
QUININE—49 cs., R. W. Greeff & Co., Rotterdam; 3 cs., Mallinckrodt Chem. Works, Rotterdam; 8 cs., W. Van Doorn Co., Rotterdam; 50 cs., R. W. Greeff & Co., Rotterdam
ROOT—10 cs., W. Van Doorn, Rotterdam; 44 bbs., Order, Venice; Aconite, 56 csks., Order, Barcelona; Bardane, 41 bbs., Peek & Velsor, Antwerp; 20 bbs., Anderson Hillier Co., Antwerp; Broom, 82 bbs., H. Triest Co., Vera Cruz; 64 bbs., H. Triest Co., Vera Cruz; Ginger, 100 bbs., W. J. Bush & Co., London; Hellebore, 3 bbs., Peek & Velsor, Marseilles; 11 bbs., A. Stallman & Co., Marseilles; Ipecac Root, 12 pkgs., McKesson & Robbins, London; 6 bbs., Order, Bahia; Licorice, 120 bx., H. Utard, Tarragona; Orris, 74 bbs., Order, Leghorn; Sarsaparilla, 13 bbs., Eggers & Heimlein, Puerto Cortez; Scammony, 4 bbs., H. Triest Co., Vera Cruz; Squill, 14 bbs., Peek & Velsor, Palermo; Valerian, 20 bbs., Anderson Hillier Co., Antwerp; 40 bbs., Anderson Hillier Co., Antwerp
ROSEWATER—17 csks., Morana, Inc., Marseilles

SAFFRON—2 cs., E. H. Locatelli, Genoa
SEED—Angelique, 8 bbs., A. Chris & Co., Antwerp; Annatto, 128 bbs., D. Steengrafe, Mayaguez; 102 bbs., D. Steengrafe, San Juan; 45 bbs., J. E. Kerr & Co., Montego Bay; 160 bbs., Order, Jamaica; Cardamom, 13 pkgs., Amer. Exch. Nat. Bank, Colombo; Celery, 100 csks., Order, Marseilles; Fennel, 26 bbs., Lehn & Fink, Hamburg; Flax, 68,482 bbs., Spencer Kellogg & Co., Rosario; Millet, 172 bbs., Order, Leghorn; Mustard, 336 bbs., Hennings & Harving, Hull; 71 bbs., Catz Amer. Co., Rotterdam; 150 bbs., W. Van Doorn, Rotterdam; 440 bbs., R. F. Downing & Co., London; 166 bbs., A. Joensson & Co., London; Poppy, 100 bbs., Hershey Trdg. Co., Rotterdam; 150 bbs., E. Miltenberger, Rotterdam; 450 bbs., Archibald & Lewis, Rotterdam; 300 bbs., W. Van Doorn, Rotterdam; 100 bbs., Order, Rotterdam; 100 bbs., L. C. Naisawald & Sons, Rotterdam; 200 bbs., C. E. Armstrong Co., Rotterdam; Quince, 1 bg., Amer. Exp. Co., London; Sumac, 40 bbs., Order, Palermo
SENNA—Sittings, 28 bbs., Irving Nat. Bank, Port Sudan; 27 bbs., Nat. Bank of Egypt, Port Sudan
SERUMS—10 cs., Lederle Antitoxin Lab., Buenos Aires
SHELLAC—75 cs., Continental & Comm. Nat. Bank, London; 50 bbs., Ralli Bros., London; 350 bbs., Arbuthnot Latham & Co., Calcutta; 100 bbs., Barclays Bank, Ltd., Calcutta; 75 bbs., First Nat. Bank Boston, Calcutta; 450 bbs., Chase Nat. Bank, Calcutta; 100 bbs., N. Y. Trust Co., Calcutta; 50 bbs., Cont. Comm. Nat. Bank, Calcutta; 15 bbs., Bank of Montreal, Calcutta; 1,743 bbs., Order, Calcutta; 200 bbs., Order, Southampton; Button Lac, 75 bbs., Order, Calcutta; 113 chests, Order, Calcutta; Garnet Lac, 200 bbs., Brown Bros. & Co., Calcutta; 30 bbs., Order, Calcutta; 53 bbs., Kasebier Chatfield Shellac Co., Hamburg; Sticklac, 39 csks., Order, Marseilles; Seedlac, 70 pkgs., Order, London
SODIUM SALTS—Acetate, 31 csks., R. W. Greeff & Co., Antwerp; 45 cs., Baring Bros. & Co., Antwerp; Bisulfite, 13 bbls., Order, Rotterdam; Chlorate, 200 drs., Nat. City Bank, Marseilles; 197 cs., Weissenthal & Co., Genoa; 57 cs., A. H. Pickering, Genoa; Cyanure, 123 cs., Asia Bkg. Co., Havre; Hyposulfite, 100 kgs., Order, Hamburg; Nitrate, 500 csks., Kuttroff Pickhardt & Co., Hamburg; Nitrite, 104 csks., Order,

Bergen; Prussiate, 19 csks., Order, Liverpool
SPICES—Cassia, 450 pkgs., Order, Hongkong; 172 pkgs., Bankers Trust Co., Batavia; Chillies, 309 bbs., African & Eastern Trdg. Co., Freetown; 14 bbs., Amer. Exp. Co., London; Cloves, 195 bbs., Order, Marseilles; 400 bbs., Standard Bank of S. A., Rotterdam; 1,050 bbs., Furness Withy & Co., Naples; 165 bbs., B. H. Old & Co., Macassar; 2 bbs., Planters Produce Co., Dominica; Ginger, 50 cs., Order, Hongkong; 99 bbs., H. P. Winter & Co., London; 100 bbs., Order, London; 190 bbs., W. Schall & Co., Montego Bay; 137 bbs., A. S. Lascelles, Montego Bay; Mace, 14 cs., Order, Penang; 48 cs., H. W. Peabody & Co., Macassar; Paste, 1 cse., C. L. Huisking Co., Rotterdam; Mustard Dross, 500 bbs., J. & J. Colman, London; Nutmegs, 49 bbs., Order, Singapore; 262 pkgs., Standard Bank of S. A., Rotterdam; 59 cs., Catz Amer. Co., Rotterdam; 400 bbs., Brown Bros. & Co., Batavia; 508 pkgs., J. W. Green & Co., Batavia; 1 bbl., Planters Produce Co., Dominica; Pepper, 11 bbs., Amer. Exp. Co., London; 144 bbs., Cont. Comm. Nat. Bank, Colombo; Thyme, 2 cs., Sarhan Shehfe, Beyrouth
SUMAC—Ground, 700 bbs., Equitable Trust Co., Palermo; 300 bbs., Order, Palermo; 640 bbs., Order, Palermo; 350 bbs., Medit & Co., Traders Co., Palermo
TALC—250 bbs., Bankers Trust Co., Genoa; 250 bbs., Bankers Trust Co., Genoa
TAPIOCA—\$2,223 bbs., Hag Amsterdam, Sourabaya; Flour, 350 bbs., Order, Liverpool; 1,000 bbs., Wellenstein Krause Co., Batavia; 1,150 bbs., Stein Hall & Co., Batavia; 460 bbs., Bennett Day & Co., Batavia; 746 bbs., Intern. Accept. Bank, Sourabaya
TARTAR—110 csks., Tartar Chem. Works, Marseilles; 197 bbs., Tartar Chem. Works, Tarragona; 29 csks., Tartar Chem. Works, Naples; 43 csks., Tartar Chem. Works, Naples; 56 bbs., Order, Bordeaux
VANILLA BEANS—22 cs., R. F. Downing & Co., Havre; 27 pkgs., Amer. Exch. Nat. Bank, Colombo; 1 cse., Auguste Eleazar, Guadeloupe; 10 cs., Dodge & Olcott, Guadeloupe; 144 cs., Irving Nat. Bank, Guadeloupe
WAX—85 bbs., Banco Nat. Ultramar, Lisbon; 68 bbs., Order, London; 3 bbs., D. Steengrafe, Mayaguez; 51 bbs., D. Steengrafe, Calbarien
ZINC—Oxide, 200 bbls., Bankers Trust Co., Marseilles; White, 100 bbls., Reichard Coulston, Marseilles

Charles Pfizer & Co., Inc., New York, and the Citro Chemical Co. of America, Maywood, N. J. have brought suit to recover \$179,000 and \$76,000, respectively, from owners of the steamship Wildomino, stranded off the coast of Nova Scotia in July, 1920. The money represents the value of 503 casks of citrate of lime which were ruined by water when the ship's hull was torn open.

The Piccadilly Ink Co., 113 East Franklin street, Baltimore, has been chartered under the laws of Maryland with capital stock of \$100,000, divided into shares of \$10 to manufacture and deal in printing and writing inks. The incorporators are William D. Macmillan, David K. Este Bruce and Matthew Gault.

Rising pig iron prices in England, due to the Ruhr occupation, are being reflected in a general strengthening in the United States, according to recent reports. American manufacturers have been able to command higher prices during the past month than for some time previous.

Six buildings of the Illinois Powder Co., Grafton, Ill., were destroyed by a series of explosions and fire Feb. 22. Three workers were missing and are believed to be dead. The loss is placed at \$50,000.

The Murray Extract Co., 605 Schweiter building, Wichita, Kans., has gone into bankruptcy and the stock and machinery has been sold at public auction.

Ernest Bischoff has purchased the six story building at 135 Hudson st., New York, and will use the building for his business of wholesale chemicals.

SAN FRANCISCO GETS CRUDE DRUGS

Imports at San Francisco for the week ending March 3 included the following: On the steamer President Pierce, from Hongkong, to F. W. Peters & Co. 1 case gum damar; from Shanghai, to the International Banking Corp. 250 cases antimony regulus. On the steamer Siberia Maru, from Dairen, to the Oriental Vegetable Oil Co. 516.64 tons bean oil; from Yokohama, to the Pacific Trading Co. 3547 bags copra. On the steamer Bondowoso, from Priok, to order 290 bags cassia; from Batavia, to order 156 bags tapioca seeds; from Macassar, to Bank of California, 78 bags nutmegs and 219 bags cloves, to order 94 bags cloves, 32 cases nutmegs and 54 cases mace; to S. L. Jones & Co. 57 bags mace and 132 bags nutmegs; from Balikpapan, to the Shell Co. of California 3500 bags white wax. On the steamer Dinteldyk, from Puntarenas, to J. and J. Bolman 75 cases mustard; from Rotterdam, to order 100 bales cloves.

In the year 1922 the production of sulfate of ammonia and ammonia in other forms in the United States is estimated at about 473,000 tons from the by-product coke ovens alone, according to the latest U. S. Geological Survey reports. This indicates that with the gas works output the 1922 total will exceed the figure for 1920, which was 500,020 tons, and was the largest hitherto. If the rate of production in the last three months of 1922 is maintained in 1923, another new record will be made.

Wants & Offers

Rate—All classifications, \$1.00 an issue for 20 words or less, additional words, 5c each, per issue.

Payment—Must accompany order, add 10c if replies are to be forwarded.

Address "Wants & Offers"

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BUSINESS OPPORTUNITIES

A FIRM WITHOUT A CREDIT MAN is offered high calibre personal part time service and advice by well-known drug credit manager for large firm. Will supervise and check credits, establish credit and collection systems, and give the benefit of wide and active experience for a nominal fee. Box 307, DRUG & CHEMICAL MARKETS.

FAR EAST BUSINESS—Experienced, reputable chemical dealer wants to add to exclusive, sales agencies handled for Japan and China. Available for interview in New York, Chicago, Boston or San Francisco March 15th to April 20th. Box 318, DRUG & CHEMICAL MARKETS.

JAPANESE BUSINESS MAN, American University graduate, is going to Japan early in February; wishes to make use of the opportunity to do some useful service; will represent a concern or undertake some investigation; preferably in chemical and dye business. Address, Box 293, DRUG & CHEMICAL MARKETS.

CRUDE DRUGS—Firm in India, first hand shippers of crude botanical drugs are desirous of getting in touch with American importers of medicinal herbs. Address reply Box 306, DRUG & CHEMICAL MARKETS.

If you manufacture products used in the paint, varnish, ink, paper, rubber, and other industries and which can be sold in Ohio—Address, Box 309, DRUG & CHEMICAL MARKETS.

BUSINESS OPPORTUNITIES

ACTIVE PARTNER WANTED by an established essential oil and aromatic chemical house of highest reputation which has good foreign connections and requires additional capital and energetic help to take advantage of opportunity for expansion. Box 294, DRUG & CHEMICAL MARKETS.

HELP WANTED

WANTED by old established concern located near New York well trained organic chemist to work into active charge of department manufacturing fine synthetic chemicals and essential oil isolates. Some plant experience in this particular line preferable but of less importance than sound chemical knowledge, common sense, ability to handle men and inclination to work. Box 308, DRUG & CHEMICAL MARKETS.

SUPERINTENDENT WANTED—Plant Superintendent to equip and operate a small factory for the manufacture of Sal Soda and Glauber's Salt in the vicinity of New York City. Must have had actual practical experience in this particular line and be capable of assuming complete charge of the work. Reply in own handwriting stating age, experience and other qualifications, also salary desired. All applications will be kept strictly confidential. Box 311, DRUG & CHEMICAL MARKETS.

HELP WANTED

SALESMAN WANTED—Man thoroughly familiar with Potato starch, dextrine, with large following among the textile, chemical and provisions trade. Give full information in first communication. Box 304, DRUG & CHEMICAL MARKETS.

SALESMAN WANTED—Reliable chemical jobber, Christian concern, needs a young man about 21 years for the position of salesman on straight salary basis; good opportunity for the right person; previous experience unnecessary. Box 323, DRUG & CHEMICAL MARKETS.

SALESMAN wanted in Mid-West territory to call on consuming industries. Good opening with manufacturer for an experienced man. Box 313, DRUG & CHEMICAL MARKETS.

We have New York City and vicinity as well as few other good territories to offer a few good men selling our transparent Nitrocellulose Sheet, Soluble Cotton and Soluble Cotton Solutions to industrial users. Apply by letter only which will be considered confidential. Eastman Chemical Corporation, 343 State Street, Rochester, N. Y.

Well known crude drug house desires one or more traveling representatives on salary or commission basis. Must be energetic and a business getter. Good opportunity for right party. Out of town eligibles invited to write. Only first class men need apply. For interview address Box 302, DRUG & CHEMICAL MARKETS.

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ALUMINUM KETTLES
100—80 to 100 gal. Coppers.

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2—26-in. Copper Baskets.
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2—No. 11 Vacuum Shelf, Devine.
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3—Bronze Drum Dryers.
10—Other Vacuum Dryers.

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1—100 gal. Badger Copper Still.
3—Vacuum Still, 35 to 100 gals.
7—Copper Col. Alcohol Dist. Units.
1—400-gal. Aluminum Still.

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1—4 x 6 Oliver Filter, all iron.
3—6 x 6 Oliver Filter.
3—No. 150 Kelly Filter.
1—No. 250 Kelly Filter.
1—No. 12 Sweetland.

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1—10-ton Fricke. 1—4-ton York.
2—40-ton York. 6—2-ton Ref.
A large quantity of Refrigerators from 2 to 12 tons.

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Cocks, Tees, Elbs, Flanged and Bell Pipe
All sizes, never used.

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New and slightly used steel tanks in all sizes and kinds. Pressure tanks, mixing tanks, storage tanks, pump tanks, heating tanks, etc. Write for Bulletin No. 7, giving sizes and descriptions.

NASHVILLE INDUSTRIAL CORP.
Jacksonville, Tennessee

Wants and Offers—The Marketplace of the - - Drug and Chemical Industries

SITUATIONS WANTED

SALESMAN with following in New England textile trade is open for engagement with dye or heavy chemical house beginning May first. Box 314, DRUG & CHEMICAL MARKETS.

CHEMIST, B.S., age 26, single, with 3½ years' experience as research chemist and analyst in firm manufacturing dairy products, wishes similar position with food house, or commercial laboratory. Location New York City, or vicinity. Now employed, but wishes to change for position that offers better future. Box 322, DRUG & CHEMICAL MARKETS.

ORGANIC CHEMIST with fourteen years experience in research and plant development, capable of directing work in the production of pharmaceuticals, synthetic medicinals, and fine organic chemicals, will demonstrate, at a reasonable salary, his ability to obtain results. Box 324, DRUG & CHEMICAL MARKETS.

ASSISTANT Research and Analytical Chemist, honor graduate in chemistry London University, desires position in research capacity in American chemical plant. H. L. Turk, B. Sc., 54 High Street, Shirley, Southampton, England.

SALESMAN—Trained chemist familiar with organic field wishes to establish connection with firm covering Metropolitan territory. Box 328, DRUG & CHEMICAL MARKETS.

CHEMIST—Thoroughly experienced in medicinal and fine organic chemicals available for connection with manufacturer. Box 326, DRUG & CHEMICAL MARKETS.

SITUATIONS WANTED

SALES MANAGER and Buyer of Botanicals, Chemicals, Essential Oils, and Sundries. Many years experience with finest houses. Well known. Desires connection with wholesale drug house. Can furnish high class references. Box 312, DRUG & CHEMICAL MARKETS.

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Experienced chemist, manufacturer, market analyst and merchandiser. Thoroughly familiar with every phase from the raw cotton, through manufacture to successful production of nitrates, films, lacquers, leather cloth and other products. An honor graduate in chemistry and mechanics. Twelve years intensive work with leading makers. Splendid executive, exceptional references. Now employed but immediately available. Box 321, DRUG & CHEMICAL MARKETS.

CHEMIST—Analyst, Expert Foods, leathers and oils. Eight years experience. College graduate. Box 320, DRUG & CHEMICAL MARKETS.

DRUGS & CHEMICALS

WANTED: Zinc Sludge from Alkaline reduction. Box 310, DRUG & CHEMICAL MARKETS.

FOR SALE—WHITING, Imported Cliffstone Whiting testing 99.86 Calcium Carbonate. Crystalline nature. An excellent Paint Filler. \$16.00 per ton carlots, \$17.00 per ton less than carlots F. O. B. Hoboken, packed in 100 lb. bags. Box 319, DRUG & CHEMICAL MARKETS.

PLANT EQUIPMENT

FOR SALE—Three glass-lined tanks capacity 75 gallons. Box 315, DRUG & CHEMICAL MARKETS.

FOR SALE—One Shriver Filter Press, 36 in. square, center feed, open delivery. Bought new and never set up. Bob White Chemical Corp., 39 Broadway, N. Y. C.

LABORATORY WANTED—Manufacturer will buy for cash apparatus and equipment for plant and small research laboratory fitted for coal-tar work. Full particulars in first letter. Box 316, DRUG & CHEMICAL MARKETS.

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